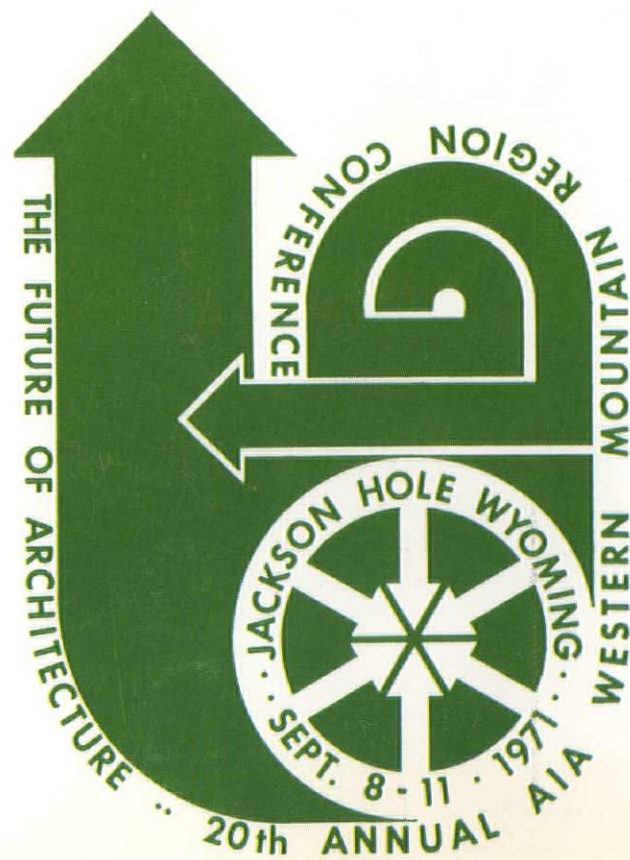


architecture/engineering/construction

symposia

september, 1971

KENNETH R. FUMLER
503 INSURANCE BLDG.
831 14TH
DENVER, CO. 80202



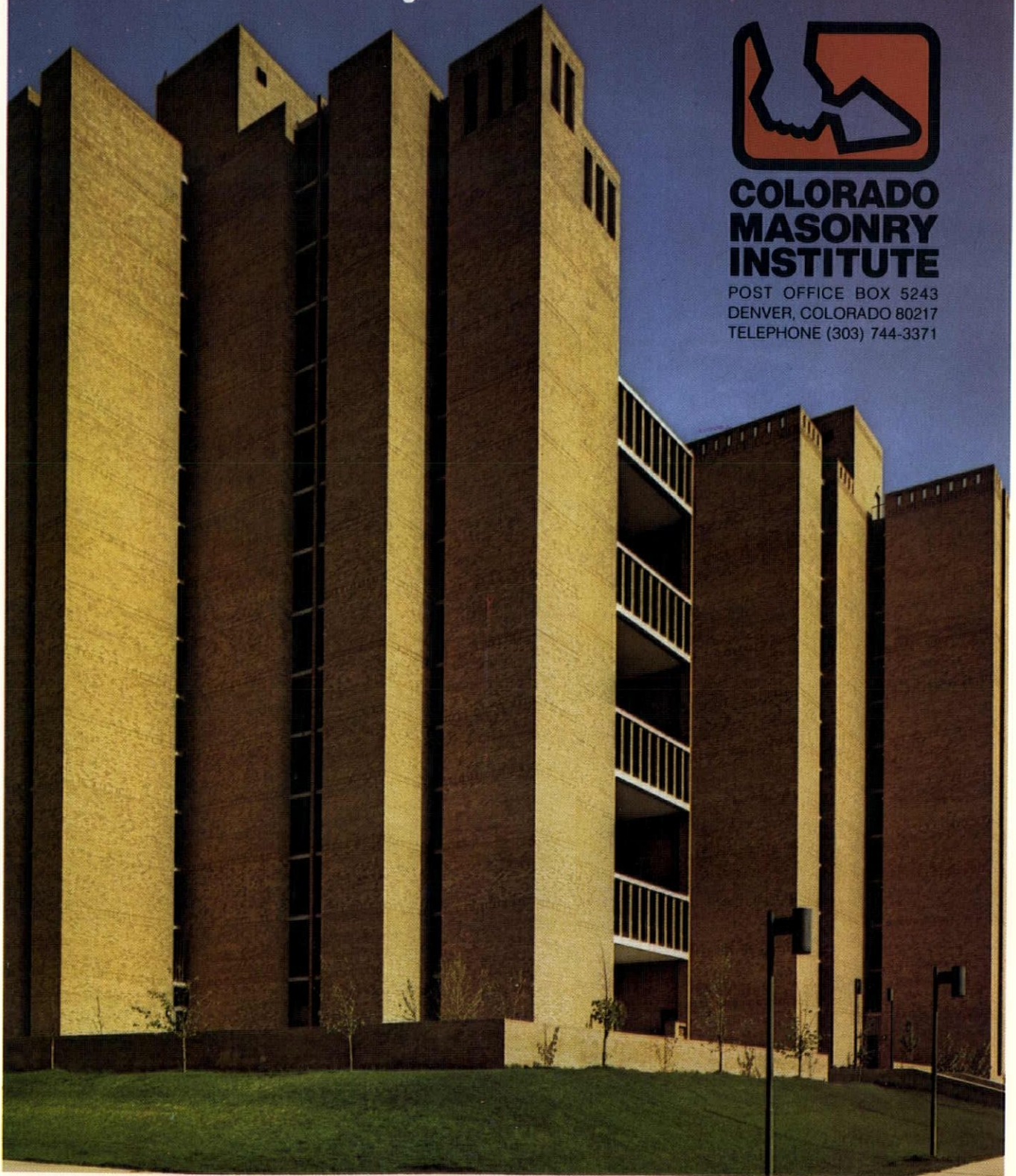
Official Program

**Some people like the warmth,
richness and quiet of brick buildings.
Some like the coldness of
steel, glass and concrete.
How about you?**

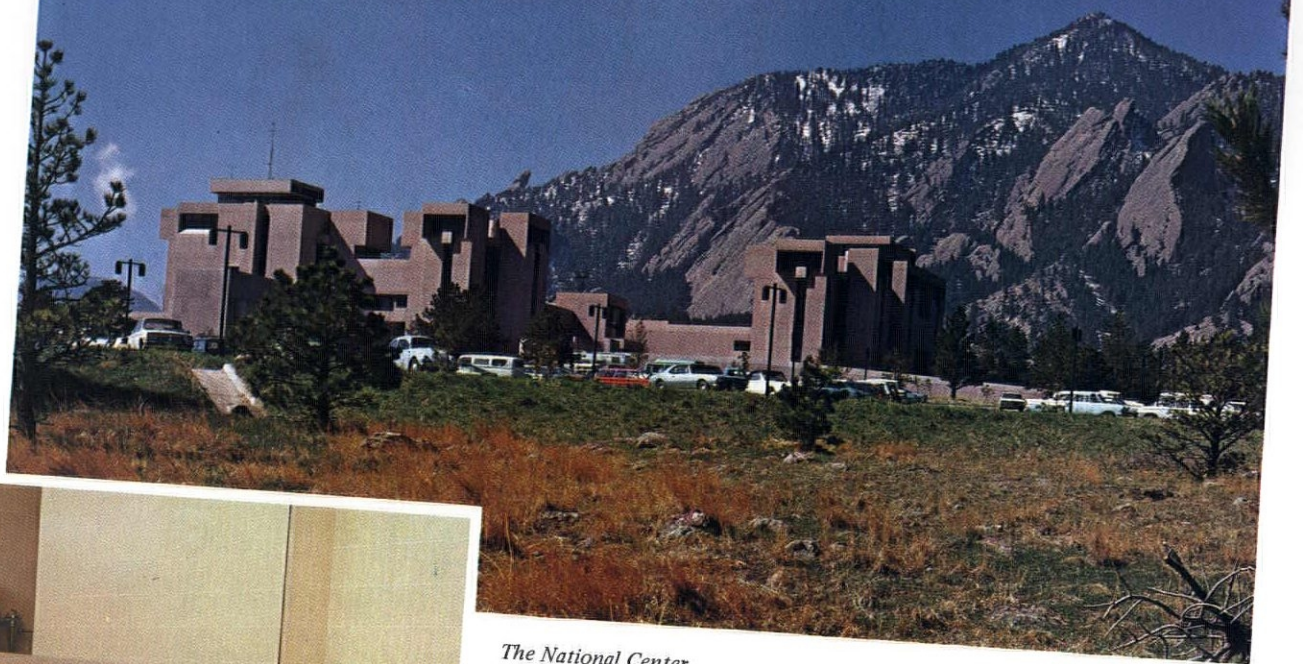


**COLORADO
MASONRY
INSTITUTE**

POST OFFICE BOX 5243
DENVER, COLORADO 80217
TELEPHONE (303) 744-3371



In Mile High Boulder, Colorado, where space
analysis is conducted...



*The National Center
for
Atmospheric Research*

*I. M. Pei
Architect*

**Monarch ★ Marshall ceramic tile
is the down-to-earth choice.**

Boulder, 5,350 feet high in the Colorado Rockies, is the site of the National Center for Atmospheric Research, where satellites are monitored, and smog and air pollution are studied.

This space-age research center is another example of the growing use of Monarch ★

Marshall tile in significantly important structures over the Nation.

Because Monarch ★ Marshall ceramic tile gives you better surfaces, the builders used it wherever beauty, permanence, sanitation and easy cleaning were required.

Monarch ★ Marshall

MONARCH TILE MANUFACTURING, INC. SAN ANGELO, TEXAS • MARSHALL TILES, INC. MARSHALL, TEXAS

AT YOUR SERVICE!



AT EVERY MEAL — 365 DAYS A YEAR, "PETEY," THE COLORADO PIPE TRADES' U. A. TRAINED JOURNEYMAN PLUMBER AND PIPE FITTER SERVES UP COLORADO'S MOST PRECIOUS COMMODITY . . . CLEAN AND SPARKLING CLEAR POTABLE WATER.

THE PLUMBING AND MECHANICAL INDUSTRIES PLAY A KEY ROLE IN OUR UNRELENTING WAR AGAINST POLLUTION. YOU CAN DEPEND UPON "PETEY" AND ALL U. A. TRAINED JOURNEYMEN PLUMBERS AND PIPE FITTERS TO INSTALL AND SERVICE THE SYSTEMS WHICH GUARD COLORADO'S MOST VITAL RESOURCE — CLEAN WATER!

THE COLORADO PIPE TRADES INDUSTRY IS AT YOUR SERVICE!

PHONE 266-1935

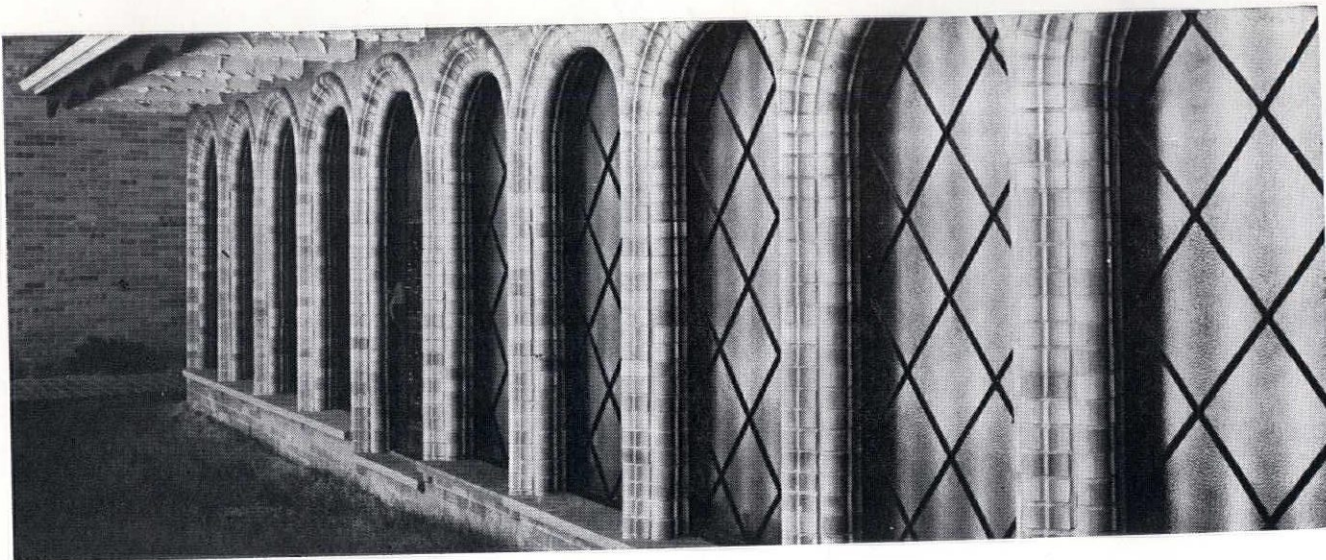


COLORADO PIPE TRADES INDUSTRY

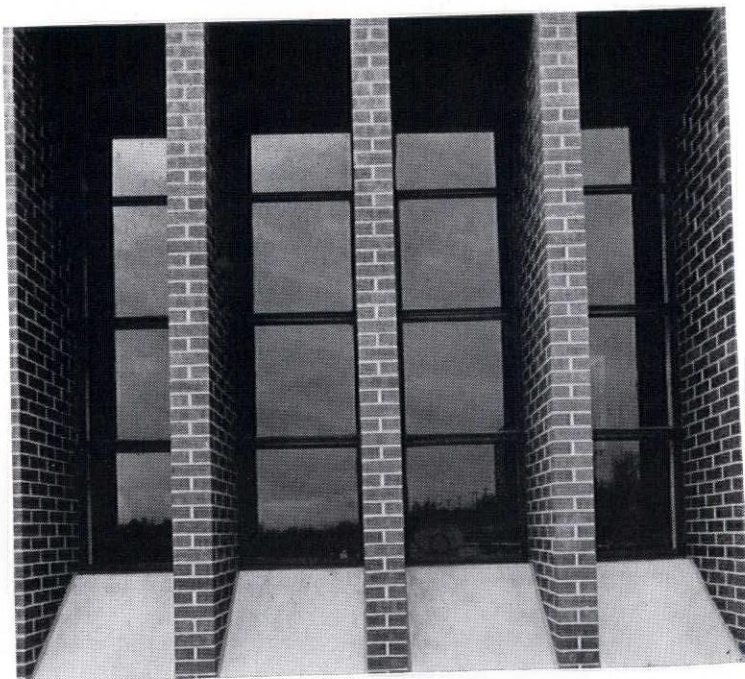
SUITE 201 • 1971 WEST 12TH AVENUE • DENVER, COLORADO 80204

Page 4 Symposia/September, 1971

PROGRAM



Throughout the
Western States,
Colorado Metal Products
Provides Total
Capability in Window
Design and Fabrication.



If you are planning commercial or residential construction, inquire about COLUMBINE steel or aluminum casement windows, full wall-width basement windows, sliding, single-hung or awning windows, and sliding aluminum doors.



COLORADO METAL PRODUCTS

450 KALAMATH STREET • DENVER, COLORADO 80204
(303) 266-2451

The only Colorado owned metal window manufacturer for over 30 years.

Another Les Taylor Enterprise

Symposia/September, 1971

Page 5

symposia

construction communications
in the West

OFFICIAL PUBLICATION WESTERN MOUNTAIN REGION CONFERENCE/AIA

VOLUME 6

NUMBER 4

SEPTEMBER, 1971

THIS MONTH

	Page
<i>The Southwest and The Far West Meet C.S.I. Region 10/Region II Conference</i>	8
<i>Fantasy Land</i>	14
<i>"Once Upon a Time"</i> by H. Robert Wilmsen, FAIA	
<i>"The Six Percent Fairy Tale"</i> by Kenneth W. Jones, AIA	
<i>A Symposia Salute</i>	21
<i>Vision 20/20</i>	22
20th Annual Conference Northwest Region/American Institute of Architects	
<i>Let's Look . . . Over Our Shoulder</i> Nostalgia from Bradley P. Kidder, FAIA	23
<i>Physical Science Complex/University of Nevada</i> by: Cazazza, Peetz & Associates	26
THE OFFICIAL PROGRAM	
<i>"The Future of Architecture"</i> Western Mountain Regional Conference The American Institute of Architects	29
1971 Design Awards Program Portland Chapter/A.I.A. with a Critique—"Brownie Buttons" by: H. Robert Wilmsen, FAIA	37
<i>Take Me To Your Leader</i>	40
<i>Symposia/Around the Region</i>	42
<i>New Sizes for Laminated Beams</i> by: O. James Barr III, CSI	45
<i>The Last Word</i>	46

publisher: Fletcher B. Trunk

editor: Elizabeth W. Trunk

CONTRIBUTING EDITORS:

Landscape: F. J. MacDonald,
AIA/CSI Arizona

Urban Affairs: Ronn Ginn,
AIA/AIP/CSI
New Mexico, Florida

A publication of Boyce Publication, Inc. Issued monthly.
Business offices 4070 Estes St., Wheat Ridge, Colorado 80033

Telephone Area 303—422-4153

Controlled circulation postage paid at Denver, Colorado

Copyright 1971 Boyce Publications, Inc.

EDITORIAL ADVISORY BOARD

arizona

Warren Edminster, AIA/CSI

Sidney W. Little, FAIA

Richard C. Perrell, AIA/CSI

colorado

James Barr, CSI

Don Decker, ABC

W. Patrick Dulaney, AIA

William H. Hawes, CEC

Thomas W. Keeton, Jr.,
CSI/PC

F. Lamar Kelsey, FAIA

R. James Noone, CSI

Maxwell L. Saul, FCSI/AIA

idaho

Robert L. Hamill, Jr., AIA

John L. Hoffmann, CEI

montana

Robert E. Fehlberg, AIA

A. Calvin Hoiland, AIA

nevada

Edward S. Parsons, AIA

Walter F. Zick, AIA

new mexico

Bradley P. Kidder, FAIA

Joe Boehning, AIA

Robert Schmidt, FASCE-CSI

James R. Cushing, CSI

oregon

Robert Wilmsen, FAIA

utah

Ashley Carpenter, AIA

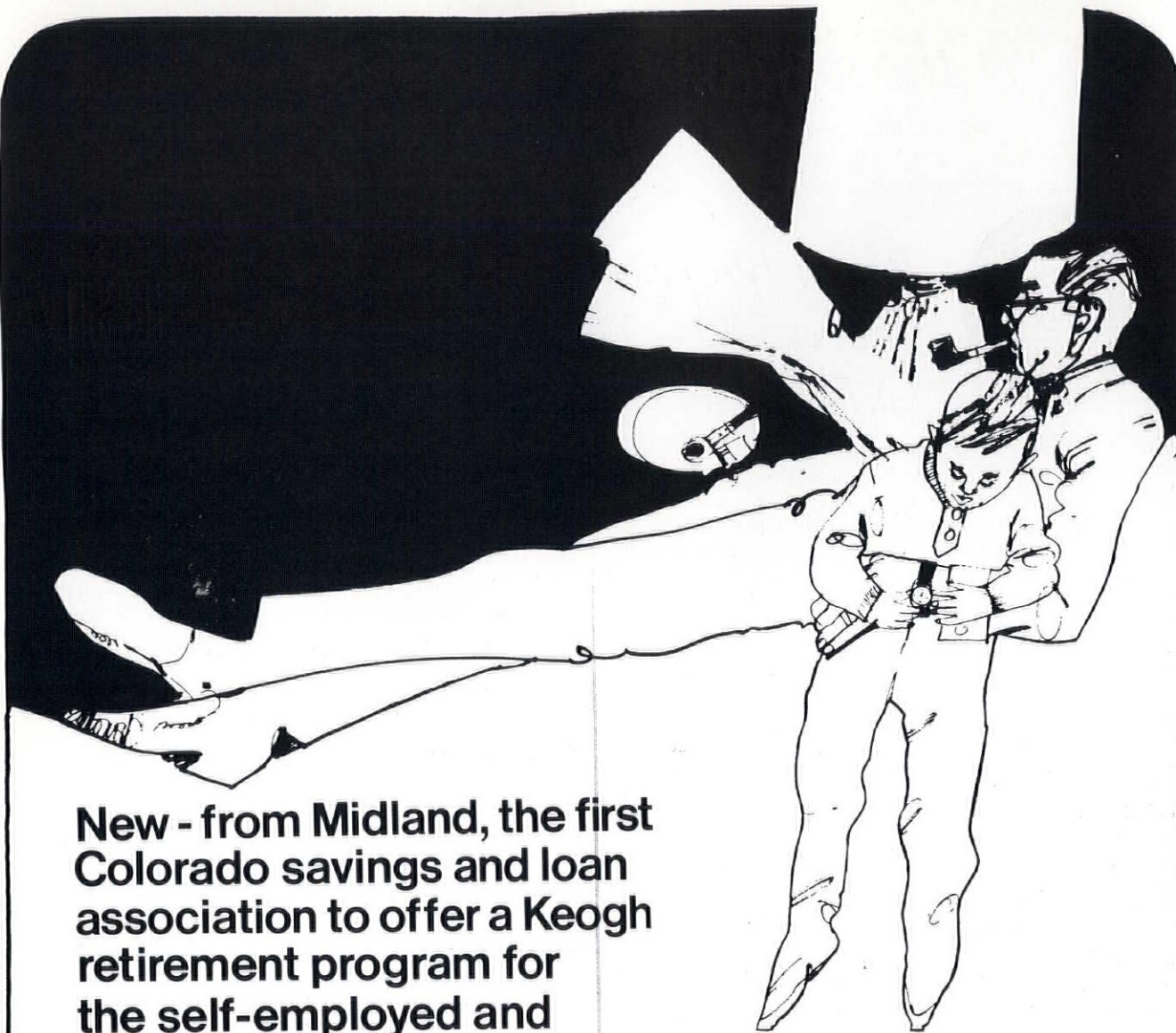
Nancy Carpenter, WAL

Elden V. Talbot, CSI/AIA

wyoming

Gerald Deines, AIA

N. A. Nelson, AGC



**New - from Midland, the first
Colorado savings and loan
association to offer a Keogh
retirement program for
the self-employed and
their employees!**

It's simple, tax deductible, insured safe.

And...guaranteed to grow!

Set aside tax-free dollars for *your* retirement now! — as much as 10% of your income, up to \$2,500 per year — at Midland's high interest rates, compounded daily, with insured safety!

Midland's trust fund under the Keogh Act benefits *you* — today! Businessmen, farmers, doctors, lawyers, architects, and other independent self-employeds can have 100% current tax deduction on qualified contributions *to their own retirement plan* — and return is guaranteed!

No ups and downs — no market uncertainty.

We can help you get started today. Don't put it off!

Start putting before-tax dollars to work for your retirement at once — at Midland — the people with the safe, simple, sure-to-grow Keogh retirement plan and trust for self-employed persons.

Call Midland's trust Department now — and ask about it!

Midland federal savings



17th and Glenarm • Denver, Colorado 80202 • Phone 303/222-9441

the southwest and the far west meet



Region 10/Region 11 Joint Conference October 7-10 — The Wigwam Litchfield Park, Arizona



Let's hear it for the Home Team

The Chairman for this highly innovative meeting of two Regions of the Construction Specifications Institute is Richard C. Perrell—not only a Specification Writer of note, but also a member of our Symposia family. Dick is being aided and abetted by a hard working group of fellow Phoenixians including John G. Labelle, Products Display; Robert W. Myers, Publicity; John Dechandt, Transportation; Ron Weller, Golf Tournament and his own charming wife, Nancy, who is in charge of Ladies Activities.

Products Display

Chairman Perrell indicates that Industry members from both Regions are invited to display at the Conference. Only a limited number of spaces will be available, however, so it's first come, first served! Display tables, 30" x 8' will be set up in a display area adjacent to the meeting room, and the Friday evening Cocktail Party will be held in this location. For detailed information, please contact John G. Labelle, 3338 North 17th Avenue, Phoenix, Arizona 85015 or telephone him at 602/265-8832.

Weather and the Wigwam

October is a beautiful month in the Southwest. The weather is warm and sunshiny during the day with just the right amount of "air conditioning" when the sun goes down. You can "come casual"—this attire will be appropriate for all Conference functions except the Saturday evening banquet.

And what a splendid spot to enjoy all that fine weather... the Wigwam, Arizona's Country Club Resort! Even a very good Indian in his Happy Hunting Grounds never had it so good as you will at this superbly appointed hostelry. All of the "fun things" abound... swimming, tennis, golf and horseback riding. The Wigwam is located eighteen miles northwest of Phoenix on Litchfield Road and Indian School Road. Fret not about finding it—a map for those who are driving will be included in the membership mailing and the Phoenix Chapter will provide transportation from the airport for those coming by 'plane. Just ask!

And... For the Ladies

Nancy Perrell has arranged a Ladies Program which will be relaxing and casual—a leisurely three days away from bedmaking, meal preparation and the kitchen sink! If you are interested in shopping tours (and what a place to do it!) Host Chapter wives have volunteered their services on Friday for all interested ladies.

Saturday afternoon a most unusual Desert Fashion Show has been planned, and the ladies have been invited to join their husbands for the luncheons.

A Hospitality Suite for those of the feminine persuasion will be open (9:30 a.m.-4:00 p.m.) on both Friday and Saturday offering complimentary coffee, tea, juice, sweet rolls... and a place to take off your shoes. The Sunday Golf Tournament is open to CSI women golfers... and door

prizes will be awarded to two Lucky Ladies.

Golf Tournament

Chairman Perrell reports that two Robert Trent Jones 18 Hole Golf Courses will welcome you. Divot Diggers Attention! The "Gold Course" is the epitome of Arizona golf courses... over 7200 yards from the championship tees with white sand traps (see you there!), sparkling lakes, huge greens — truly championship caliber. The "Blue Course" plays just over 6200 yards, par 70, and the famous Robert Trent Jones' designed greens makes this a true test of golf and fun all the way.

Electric carts and caddies are available—though not required. Phoenix suggests... "Plan on enjoying another famous (or is it infamous?) CSI Golf Tournament!"

And now—Dick's "jottings" on...

The Program

This combination Region 10 and Region 11—meeting together for the first time—represents over 20% of the membership of the Construction Specifications Institute. The highlight of the Conference will be the Saturday afternoon Workshop Seminar involving all members in attendance.

Those members of both Regions who serve on Institute Committees will be present to offer comments and to obtain the benefit of exchange with the membership. It is hoped that through this workshop seminar, we will develop recommendations for directions which will be of some significance in future programs of the Institute. This is a real "grass roots" type meeting.

Four separate seminars will be held simultaneously... 1.) Technical—2.) Programs and Membership—3.) Publications and 4.) Chapter Officers.

Members of the specific Institute Committees present will moderate the seminar discussions. A summation of the separate sessions will hope to present specific recommendations to the Institute expressing the desires of those who call Region 10 and Region 11 their home.

A joint Region 10/11 Business meeting will be held on Saturday morning for delegates to discuss, compare and condone mutual problems. Separate Region 10 and Region 11 Business meetings will be held Friday afternoon.

Institute Vice-President Philip J. Todisco, FCSI, of Boston, Massachusetts and Joe Gascoigne, CSI Executive Director, will be on hand representing the Institute.

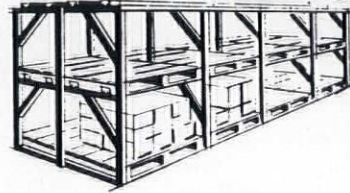
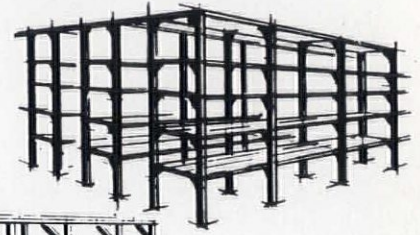
In Conclusion

This Joint Conference presents CSI Members in Regions 10 and 11 a wonderful opportunity to expand their horizons—enjoy a meaningful interchange of ideas—and have a great time in the process! Circle those dates on the old calendar on the wall—October 7-10—when the Southwest and the Far West meet at the Wigwam in Litchfield Park, Arizona!

*You can build or attach anything - - -
with the **UNISTRUT** system*

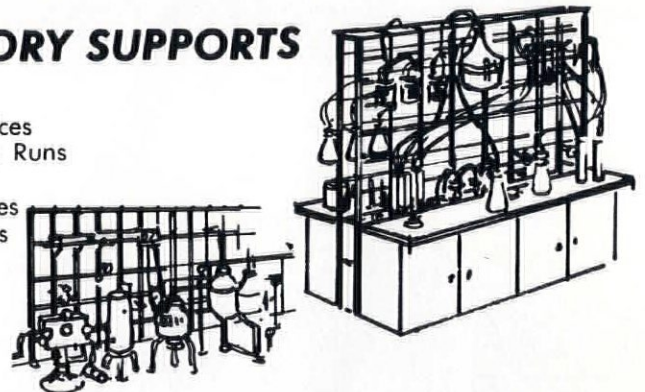
RACKS

Pallet
Die
Sheet Material
Cable Reel
Production Material
Automotive Parts
General Storage
Bar Stock
Barrel
Furniture



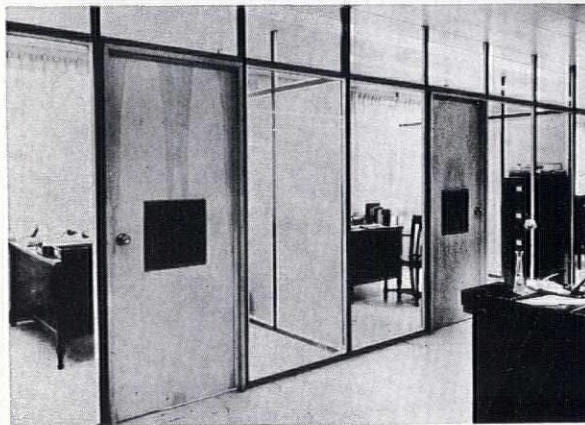
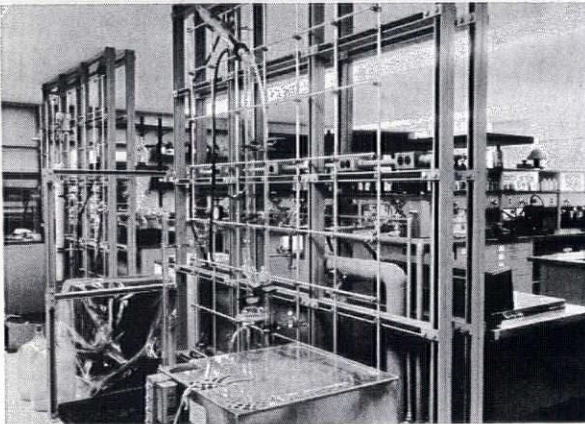
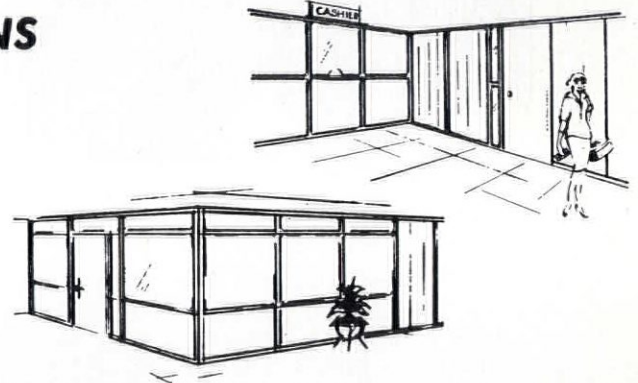
LABORATORY SUPPORTS

Under Floor Services
Overhead Service Runs
Raceways
Bench Top Services
Distillation Frames
Instruments
Glass Pipe
Hydraulic Line
Transformer



PARTITIONS

Floor to Ceiling
Door Height
Glazed Railing
Plain Railing
Tool Crib



MR. STRUT

ENGINEERING AND DESIGN ASSISTANCE



MR. STRUT

UNISTRUT WESTERN, INC.

Service Center for the Region

601 So. Jason Street—Denver, Colorado 80223

303/733-5535

- Completely matched system of framing • Dependability through rigid quality control • Authentic engineering data
- Test proven structural performance • Savings due to superior strength • Experienced application engineering
- Proven installation economy • Design assistance at no additional charge • Complete local warehouse stocks in your area
- UNISTRUT channel cut to order • UNISTRUT frame-works delivered ready to erect • Latest application information through personal customer calls

Fantasy Land

(It may have something to do with summer's warm days, the waxing and waning of new moons or some other irrelevant natural phenomenon—in any case, within the space of a very few days, we had received at HQ the two articles herein presented. Dipping their pens in the inkwell of a somewhat bitter nostalgia, two architects viewed varying aspects of their profession and with wry smiles took us on brief excursions to "fantasy-land." What they have to say, liberally sprinkled with "Attic Salt," we submit for your thoughtful consideration. There is more here 'han meets the eye. Selah!)



Once Upon A Time

by: H. Robert Wilmsen, F.A.I.A.

Once upon a time there was a white dude named "Little Big Man," who in actuality was a New Yorker called Dustin Hoffman. He was a pretty versatile little guy who at times passed as an Indian scout, and once almost failed in the tepee with his squaw and her three sisters. In fact, he was the scout that told Custer at the Little Bighorn that he would fix it with his Sioux buddies so Yellow Hair wouldn't have to go back to North Dakota. This was a little difficult because the old general kept running all over that hilltop waving his revolver and screaming that he was the Great White Father.

Anyhow, this dude Dustin Hoffman reminded me of a little old architect off of the same reservation of the Sioux that wiped out Custer and his boys. This architect was always telling wild stories about the olden days—how he worked for five years as an apprentice before he ever received any wages, and how he drew with ink on linen for twenty years before he ever had to use an eraser. In those days there weren't any engineers so this old duffer figured all of the beams in his head—sort of eye-balled the situation without slide rule or formula and just plain came up with the right section—like Dustin Hoffman shooting down the

three bottles in the air with one draw. After seeing our latest professional liability premium I can't imagine what the rates would have been in those days—but according to this guy they just didn't make errors and omissions. And, too, it wasn't just ink and linen, they had more fun than we young-uns—like Dustin with those three sisters. According to him Stanford White didn't get shot, he broke his back when his drafting stool collapsed due to all the notches in its wooden legs.

They smoked the pipe, too, but not with this LSD stuff which some Frisco boys used for seeing their projects before they were commissioned. In the olden days they used the shavings from the pencil sharpener, which, according to this Old Trout, brought visions of Greek temples and Roman baths, complete with appropriate white marbled statuary—which couldn't be published due to the censorship of the day.

Anyhow, this old geezer maintains that they just don't make them anymore like they used to—it must be the educational system, because he came through the apprenticeship system, and fortunately for him, the grand-daddy law. He sez we don't have craftsmen anymore, there just aren't any Vanderbilt clients, and those few corporate clients you do have can only think about creature comforts, such as air conditioning and lighting—and what is all this crap about CPM, building systems and computerized documents. The payoff is that you can't go to an institute convention anymore without getting involved in a Woodstock. Hell, things just aren't the same anymore—women architects, multiple choice state board exams, consultants for everything—in fact, he sez, toilet stalls. And by the way, who the hell does that fire marshal think he is, governor of the state?



The Six Percent Fairy Tale

by: Kenneth W. Jones, A.I.A.

Once upon a time many years ago buildings were very simple. Architecture was "the design profession." Engineers were people who sold the things they designed and specified, and draftsmen were eager architectural students who practically paid you to let them work in your office. Then the world began to change. People began to change. They wanted their buildings to be bigger, better and more complicated. Other people started to be designers of the

interiors, exteriors and all the in-betweens. Engineers hung their licenses on the walls and told the manufacturers to go sell his own product. Draftsmen became people who had to earn a living. The Architect praised the morality of it all, sadly shook his head about what was happening to the profession and bravely told the owner that all these changes were now going to require a fee of six per cent of the construction cost.

Unfortunately (as often happens) the Owners were not kept informed or reminded of just what services they were buying for their six per cent. As the years roll by they have come to expect all and every service they have needed or have wanted . . . BUT—still for that same six per cent.

In recent months, the Architect and his fee have reached a crisis point. The consultants (may Allah cease to multiply their numbers) have changed their magic number from three to four per cent, that is. Then the money lenders (Allah did decrease their numbers) changed their magic number from seven to 10, 11 and even 12 per cent, that is. This caused the clients (may Allah increase their numbers threefold) to increase their efforts at saving money for the rainy day which seemed so near at hand. Meanwhile back in the drafting room, the unsung heroes of The Design Profession, the draftsmen, found themselves sans work and subsequently sans employment. Since they had grown accustomed to somewhat regular paychecks the only solution for them seemed to be to continue the same by seeking other fields or other areas or both.

Then with 1971 came the dawning of a new day. The Bankers magic numbers crept down and down again. The Dow-Jones went up and up again and some of those erstwhile clients (praise Allah) decided things were not so bad after all and maybe they had better build now before

prices went higher. Now, some new dimensions had been added. Since they had waited long and prices were going to go up they had to build in a hurry and at the "old prices." So Mr. Architect decides he will rehire his draftsmen, rush the job out and hope for the best on prices. And here is the point at which he found he had to face reality. The technicians of the T-square had found greener pastures. Even those who were re-employed from the Aerospace Industry had lost their flaming love of Architecture and it would take a sweetening of the pot to rekindle it.

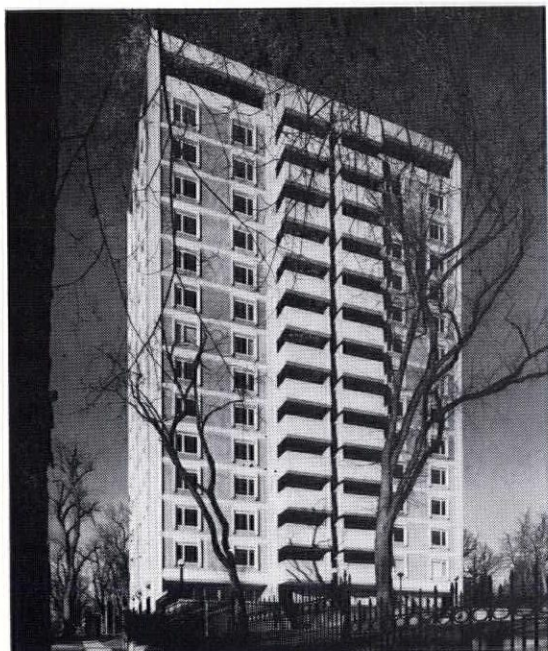
One other little complication which had arisen during the doldrums was some clients had found that with a little hard and flinty bargaining the magic six per cent could be chipped off a little around the edges.

Well, the moral to my story is the old banal refrain, "you get what you pay for—if you're lucky." You may get less than you paid for but seldom will you get more. Our clients need to understand this very thoroughly for they are the ones who will suffer most from fees which are too low.

If we are going to survive and grow as a profession we've got to cinch up our intestinal fortitude and do a better job of teaching those clients the bitter facts of Architectural Life. These are: our costs have increased at a greater pace than the costs of construction due to the greater complexity of buildings, the greater services required, the greater responsibilities we are asked to shoulder. They are: The 33⅓ per cent increase in consultants' fees and last but certainly not least we deserve some cost of living increase just like everyone else.

We may not all live happily ever after, but it will give our profession some renewed vigor and financial stability which it seriously needs.

WE CARRY A COMPLETE LINE OF ANDERSEN WINDOW WALLS and GLIDING DOORS



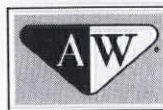
architect; Rodney S. Davis Cheesman Gardens Apartment

INCLUDING . . .

- PERMA-SHIELD® AWNING WINDOWS
- PERMA-SHIELD® CASEMENT WINDOWS
- PERMA-SHIELD® DOUBLE HUNG WINDOWS
- PERMA-SHIELD® GLIDING DOORS

Perma-Shield's exterior vinyl sheath over wood just about eliminates exterior window maintenance.

The interior wood portion adds warmth and charm to any room.



Richardson Lumber Co.

601 W. 48th AVE.

AREA CODE 303-222-3611

DENVER, COLORADO 80216

DISTRIBUTOR · OF · NATIONALLY · KNOWN · BRANDS · OF · QUALITY · BUILDING · MATERIALS



butler fixture & mfg. co.

2323 SOUTH LIPAN STREET
DENVER, COLORADO 80223
(303) 935-4623

ENORMOUS CAPABILITIES:

- architectural millwork
 - showcases
 - bank fixtures
 - store fixtures
 - spandrel panels
 - institutional furniture
 - special office fixtures
 - oversize doors, quicker
 - Formica doors, premachined

(303) 935-4623



*Our only business
is growing and installing sod
for the most beautiful lawns in Colorado.*

Full Written Guarantee—One Year Free Service



*Thousands of vigorous healthy roots
in every square foot of Richlawn sod
imbedded in a black loamy soil.*

Merion Kentucky bluegrass also available.

Live in the clean fresh green world of

Richlawn Quality Sod



Call for Free Estimate

RICHLAWN TURF FARM

Denver-Boulder 771-5611

Colorado Springs 473-5836

Pueblo 473-5836 (Call Collect)

Greeley-Loveland-Longmont-Ft. Collins

Call Toll Free Watts Line 1-800-332-6734

PALISADES STONE

NATURAL BEAUTY THROUGH ADVANCEMENTS IN MODERN TECHNOLOGY



INTERIOR OR EXTERIOR

COMMERCIAL, INDUSTRIAL
OR RESIDENTIAL

NEW CONSTRUCTION
OR REMODELING

CHOICE OF COLORS



DURABILITY

LIGHTWEIGHT

NO FOUNDATIONS

ECONOMICAL





SPECIFICATIONS



1. SCOPE OF WORK

The work shall include all labor, materials and equipment required to furnish and install Palisades Stone and Brick.

2. MATERIALS

Palisades Stone shall be a precast stone veneer, approximately 1 to 2½ inches thick, Palos Verde, Driftwood and Petrified Wood, Veneer Brick or a mixture, as selected; manufactured by Versa Tech Industries, Inc., 1035 South Huron Street, Denver, Colorado 80223.

Sand shall conform with ASTM Designation C144, except that not less than 5% shall pass #100 sieve.

Portland Type I conforms with ASTM Designation C150 with exceptions as provided in governing building code.

Mortar color shall be inert mineral or synthetic composition.

Hydrated lime shall conform with ASTM Designation C207, Type S.

Metal lath or welded wire shall comply with MPS-paragraph 903-8.3. Use self-furring lath or galvanized self-furring nails. 15# felt paper to be used as stated below in installation directions.



3. MORTAR

Mortar for setting veneer shall be mixed in the proportions no leaner than 50% Masonry, 50% Portland Type I with 2½ parts plaster sand. In areas to be covered which require a longer setting time, Hydrated Lime to replace the Masonry in the same proportion should be used.

Coloring, if desired, may be added and then mixed for not less than ten minutes. The mortar shall have as high a water content as possible, consistent with workability and plasticity.

4. SURFACES TO RECEIVE PALISADES STONE

New construction (outside): All surfaces to receive Palisades Stone other than masonry or concrete shall be:

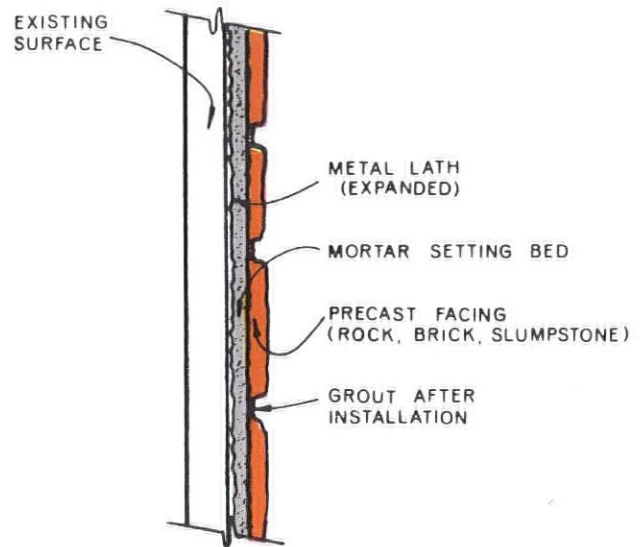
- (a) Covered with a layer of (15# minimum) felt paper over the entire wall surface to be covered with Palisades Stone Veneer in accordance with MPS-paragraph 820.

**Note: Felt paper is not required over metal siding or similar material.*

- (b) Metal lath or welded wire shall comply with MPS-paragraph 903-8.3. Use of self-furring lath or galvanized self-furring nails required.
- (c) All mill work and wood trim abutting the stone must be adequately protected from moisture by flashing.
- (d) Control joints shall be provided every 29 lineal feet.

(Inside): Wall surface to receive Palisades Stone must present a firm and unyielding base for the veneer. Existing interior plaster or painted surfaces will require a covering of a 2.5 self-furring lath or welded wire in compliance with MPS-paragraph 903-8.3.

Existing masonry or cement plaster from which any existing paint has been removed by sand-blasting may be covered directly with the mortar setting bed.



5. SETTING VENEER

A tight scratch coat approximately ½" shall be applied to force cement through all openings in the metal lath, followed immediately with an additional float coat of approximately ½" in which the stone shall be applied.

The pieces of Palisades Stone shall be applied, starting at the top and corners of a panel or section of wall, and working the Palisades Stone into the setting bed sufficiently to force the mortar out slightly at the edges. The larger pieces shall be carefully spotted at random for design and color and the smaller pieces placed between to cover the wall with a harmonious rubble stone pattern of Palisades Stone.

After Palisades Stone has been placed on the surface, the joints will be filled with the use of a grout bag. The same mix proportion will be used for joints as is used for scratch coat application. After joints have become firm to the touch they will be raked out with a blunt instrument and brushed clean.

6. SEALING

Clear Silicone may be applied where required. Application shall be in strict accordance with the manufacturer's recommendations as set forth above.

FOR DESIGN VERSATILITY AND EASE OF APPLICATION SPECIFY PALISADES STONE

Add beauty and distinction at low cost with Palisades Stone, manufactured by Versa Tech Industries, Inc., Denver, Colorado. Manufactured in the heart of stone country, Palisades Stone has been carefully selected and cut to provide a natural look. Ease of installation and versatility of texture

and color combination make it ideal for both new and remodel work.

Palisades Stone comes in the basic colors shown below. Each color is available in two textures, Petrified & Driftwood and Palos Verdes. Stone can be ordered to specific blend of color and texture as desired.

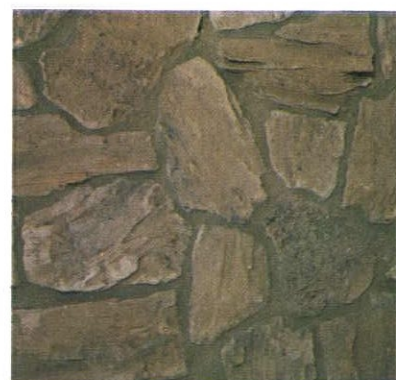
1. TAN BLEND/80% D/W & PET-20% P.V.



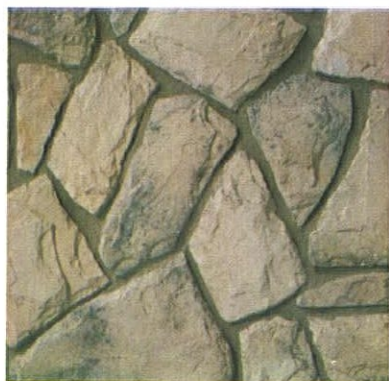
2. CREAM BLEND/80% D/W & PET-20% P.V.



3. BROWN/100% D/W & PET



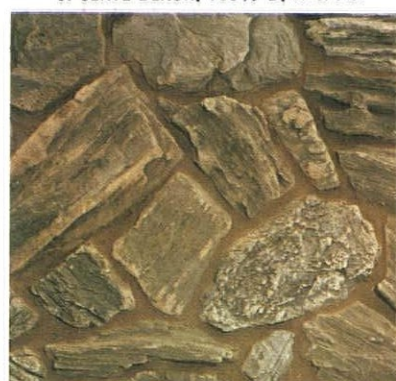
4. BUFF/100% P.V.



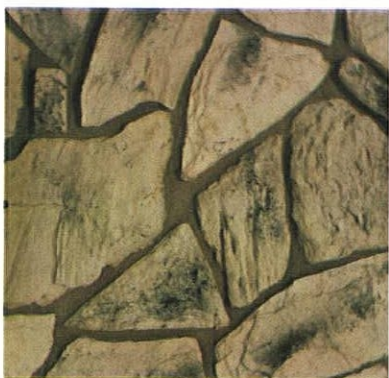
5. CHOCOLATE/100% D/W & PET



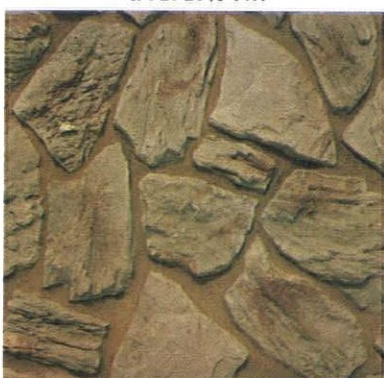
6. SLATE BLACK/100% D/W & PET



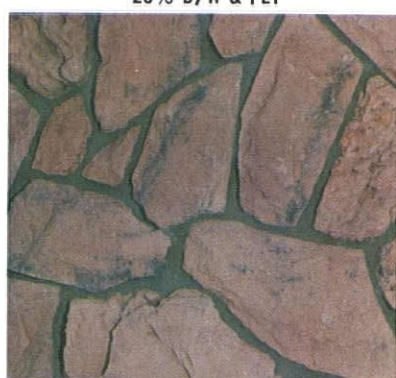
7. SMOKE/80% P.V.-20% D/W & PET



8. SLATE GREEN/80% D/W & PET-20% P.V.



9. COLORADO RED/80% P.V. 20% D/W & PET



10. RED USED BRICK



11. ADOBE-SLUMP STONE

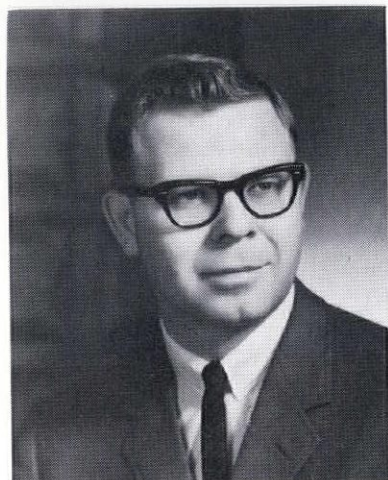
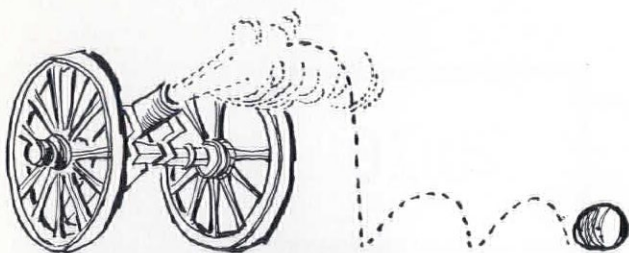


Versa Tech Industries Inc.

Phone (303) 733-2461

1035 South Huron St., Denver, Colorado 80223

a symposia salute



GERALD DEINES

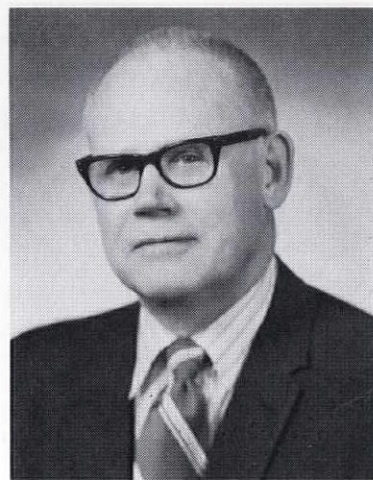
As the curtain rises on this year's "reely big shoo" at Jackson Lake Lodge in Wonderful Wyoming—it is our pleasure to fire Symposia's Salute to "Jerry" and "Jack"—the gentlemen who have co-produced this 1971 spectacular. Their greatest job has surely been coordinating the activities of their "staff" in the wide-spread reaches of this beautiful state where, and we quote Fehlberg of Montana, clients (and architects) are two hundred miles on center. The "proof of the pudding" will be enjoyed very shortly with the first course being served on September 8. Jerry has been a member of Symposia's family since early in 1967, serving the cause of construction communication faithfully and well. He is really a Colorado native by birth—Fort Collins is his original "home town." He attended both the University of Colorado at Boulder and Utah University in Salt Lake City where he acquired his Architectural degree in 1957. He has maintained his own practice in Casper since 1961.

Jerry's chief "outside" interest following close upon the heels of architecture, his pretty wife, Shirley, and their family is GOLF . . . he is never happier than when he drives one "right down the middle." Oh, yes—don't forget it, the Deines Duo is truly delightful . . . and you'll meet them in Wyoming.

Jack Toohey needs little introduction to the Western Mountain Region—you are sure to meet Jack and his vivacious "Pardner" Chloe at the annual Clan gatherings of the WMR. We have personally enjoyed their very good company each Autumn since 1966 in Santa Fe.

Jack originally was a native of JPB Country . . . and a graduate of Montana State. For almost a decade, Jack was associated with the firm of Cushing, Terrell in Billings, serving as President of the Montana Chapter/AIA during that time. He had just been elected Director of the Northwest Region when he moved to Worland, Wyoming, to open the offices of Cushing, Terrell and Toohey—a position he resigned when he opened his own practice . . . still going

TO: The Producers of "The Future of Architecture"
Twentieth Annual Conference
Western Mountain Region/A.I.A.



JOHN TOOHEY

great guns in that northern Wyoming community. Like his co-chairman, Jack has served two terms as President of the Wyoming A.I.A.

The Tooheys have two children . . . grown up and married, Brad, and Kathryn, a lively teen-ager. Look for pipe-smoking Jack and charming Chloe in Jackson Lake—you will find them a gracious couple . . . and loads of fun! Accept our accolade, Jerry and Jack—you richly deserve it!

PLEXIGLAS SKYLIGHTS



architects: Flatow, Moore, Bryan &
Fairburn

University of New Mexico/
Botanic Department

*Thirty of the world's largest one-piece pyramid skylights
tarnish natural lights for the University of New Mexico
Botanic Department. Each unit is 10' x 12' by 30" high.
Special tooling and aluminum extrusion by Plasticrafts.*

PLASTICRAFTS INC.
DENVER, COLORADO

2800 No. Speer

Denver, Colorado

303/433-8801

VISION

20/20

20/20

The natives call it . . . "the sunny side of the mountains" . . . that's eastern Washington where architects from the Northwest Region will gather October 6-9 for the 20th running of this classic conference. Located at the confluence of the Yakima River with the mighty Columbia, Richland is particularly interesting as a former government-owned city converted to private ownership. It has been titled "Key City of the Atomic Age" and was named an "All-American City" for the participation of its citizens in converting to private ownership and their facelifting of Richland's business and residential areas.

Writes Conference Publicity Chairman, Dale S. Brookie — "Our position adjacent to the Hanford Atomic Reservation places us in one of the most recent environmental controversies, that of atomic energy. Controversies have developed over placement of dams on the tributaries of the Columbia River Basin, and various pollution studies are in progress locally. We feel we are set in the middle of many of the environmental questions of the day."

All of which makes the conference theme — "Vision 20/20" particularly meaningful. The main thrust of the conference will revolve about the presentations to be made by the Regional Development Committee of the American Institute of Architects, chaired in this year of 1971 by Denver architect/planner Marvin Hatami. Members of the Committee who will be in Richland include Paul Spreiregan, AIA, Urban and Regional Consultant of Washington D.C.; Donald L. Williams, AIA, who is the Assistant Director of the Urban Studies Center, University of Louisville; and James

A. Veltman, AIA, Architect-Ecological Planner . . . formerly of Philadelphia now of Houston, Texas.

In his present position, Jim Veltman is Assistant to the Director of Environmental Design, GMA Development Corporation and engaged in the design of a 15,000 acre new community with the potential population of 150,000 people. He is well qualified for his key role in the establishment of design standards and controls for ecology sensitive planning decisions. He has been architect and planner for Wallace, McHarg, Roberts and Todd, Ecological Planner for William A. Gould and Associates and Project Architect and Captain for Bower and Fradley.

Jim writes — "My bit at the conference will be a slide show on ecological planning and a discussion period to follow. The emphasis of the slides will be the application of ecological information to planning decisions as illustrated in the new community design." Knowing Mr. Veltman — this should be well worthwhile.

Donald L. Williams who is the immediate past Chairman of the Regional Development Committee will bring to Northwest conferees a primary emphasis on community development and its attempt to bring the social and physical environment into a whole. His varied previous professional experience includes work with a landscape architecture and planning firm in Lexington; a structural engineering stint in Fort Worth; three years as head of an architectural design team and four years as an architect with prime responsibility for major projects. He is Vice-President of Design Environment Group Architects (DEGA). In his current position

with the Urban Studies Center in Louisville, Don is involved in physical environment research, the New Com physical environment systems development component and teaches a graduate course on future/change and community development. Soft spoken and a true Southern gentleman, suh! —his analysis of present problems and future change is brilliant and lucid. He is, we believe, an unusually fine speaker.

This is, of course, just a "teaser" to the excellent program prepared for "Vision 20/20". And, as at all such jolly gatherings of the AIA Clan, there are a host of "extra-curricular activities". The Hanford House is located on the shore of the Columbia River with boating, fishing and all such water-oriented recreation close at hand. There is a beautiful swimming pool, and an illuminated golf course nearby. Within the scope of the Convention itself, there is a barge trip planned from the Hanford House to the mouth of the Snake River and through the locks of Ice Harbor Dam. For those post conventioners who are still going to be around after the formal sessions are complete, a two-day boating trip through the Hell's Canyon of the Snake River is being planned. It might also be well to mention for the benefit of Bird Hunters (not Watchers) that most bird seasons will be opening throughout southern Washington at the time of the Convention. General Chairman, Art Carson and his hardworking crew have offered to share "our sun, sand, stones and river" from October 6-9. Such a gracious invitation cannot be overlooked. This is the 20th—and advance publicity modestly says—the GREATEST Northwest Regional AIA Conference ever. Don't miss Richland this year!

The Northwest Region/American Institute of Architects 20th Annual Conference — Richland, Washington

Let's Look... Over Our Shoulder

Nostalgia from: Bradley P. Kidder, FAIA

The Office of Ware and Van Brunt, Architects
Boston, Massachusetts—1882



This picture was probably taken at closing time since the desks have been cleared and several of the men already have their coats on. Most of the men are not identified, but the gentleman at the extreme right is one of the Partners and F. E. Kidder is third from the left in back. Also conspicuous in a derby hat is the office boy-messenger who substituted for the missing telephone. Two apprentice draftsmen or tracers stand out as the only ones without mustaches. The second man on the left was identified as in charge of the specifications and supervision and all of the others were draftsmen.

Note the use of cut sheets of Watman paper and the evident stretching of the paper. Note the Hectograph roller, the letter press, the fancy water cooler and wall clock, the ink grinding stone, the ever present knife and the blocks

to adjust the drawing board tilt. Observe the individual control valves for the shaded gas lights and the simple hardware and spring closer on the doors. Also—note the thickness of drawing boards and benches and the rolling type closure for the cabinet doors.

This photograph shows only three-fifths of the room . . . there were two more rows of benches, another gas light fixture and a handsome storage cabinet plus evidence that two more renderings hung on the walls. At the time this photograph came into my possession, I was told it was quite typical of an average Architect's office in 1882, even though this office was somewhat larger than was normal for those times.

Anyhow, the photograph really speaks for itself . . . showing the Hair (and other Hirsute) Styles of the Times.

A Very Junior Draftsman . . 45 Years Ago

(When Brad wrote some time ago that he had on hand a picture of the office and staff of a Boston architectural firm taken in 1882, we asked if we might share this bit of memorabilia with our readers. The quality of the photograph is, we believe, remarkably good.)

Brad Kidder is the son of Frank E. Kidder, FAIA, one of the Founding Fathers of the Colorado Chapter of the Institute and perhaps best remembered as author of the "Architect's and Builder's Handbook." Brad is a graduate

of Colorado College and the University of Pennsylvania, and spent the first seven years of his architectural life in as many different offices in Denver. It is these years of apprenticeship which he delineates in his "Very Junior Draftsman" article herewith.

Brad and his delightful wife, Harriett, live now in Santa Fe where he is a principal in the firm of McHugh, Kidder, Burran and Wright and where they entertain children, grandchildren and friends who enjoy their lovely home and garden.)

In 1926, new building construction in the Denver area had shrunk to the point of being almost non-existent. So, when a Sunday edition of the Denver Post carried the announcement that a Denver Architect had been awarded the design commission for a building to cost over \$100,000 it was glorious news. So on presenting myself at his office bright and early Monday morning, hoping to find a job, it was a miserable surprise to find instead that seven other Architectural draftsmen were in line ahead of me and two others came later.

Some time later my first job did materialize and confounded me with a feeling of inadequacy that completely devoured by college confidence. This office was new and somewhat more modern than most. It furnished me with a new drawing board upon which was to be stretched with paste and sponge, a heavy, buff colored sheet of detail paper as a cover. (Fortunately we'd been taught to do this in school.) We were also furnished a large T-square, two large triangles, two pencils (soft and hard) and to get new ones we had to turn in the old stub. We got one art-gum and one ruby eraser, one bottle of India ink and a supply of thumb tacks and that was all.

In those days all offices expected the draftsman to supply his own board brush, his own pencil pointer pad, knife for sharpening pencils and whetstone for sharpening the knife and ruling pens, his own pen points and pen holders, small triangles and French curves, lettering devices, erasing shields and, of course, his own scales and drawing instruments or anything else he might feel he needed.

Parallel rules, drafting machines, linoleum board covers, scotch tape, staples or pencil lead holders were unheard of—but every draftsman had his own supply of pencil lengtheners, cut to varying lengths, to keep his limited supply of pencils working right down to the smallest nubbin. Then the stub was split open and the small lead retrieved for use in pencil compasses. The sandpaper pencil pointer pad and the pen wipers were usually tacked to boards directly above waste baskets, but pencil shavings and graphite dust from pointing seldom ever hit the basket.

Most draftsmen wore smocks or aprons, mostly to protect our shirts, but also because the hem was ideal for dusting pencil points or for wiping ink from pen points or to start ruling pens. Some draftsmen smoked cigarettes but pipes were common and nearly every bench sported an ashtray. There were no coffee breaks—in fact no breaks of any kind, but cached away in everyone's drawer were five cent candy bars or small sacks of peanuts or raisins and usually a pack of chewing gum to help munch away the hours.

The work week was long, eight hours on week days and four hours on Saturday for a normal 44 hour week. The pay was low, \$35 per week for experienced draftsmen and half that for the beginner. Fortunately there was little night work, fortunate because in most offices each bench had but one ceiling suspended, paper shaded, incandescent

lamp hung over the left hand side of the board and the general room illumination at a low level. There was no extra pay for overtime, but the Boss usually gave each draftsman one silver dollar to buy his supper—and on this donation we often profited. This was for a normal office. There were a few who still clung to the old 46½ hour week but most offices maintained the same hours and working conditions and in all offices the chores assigned to the beginning draftsman were just about the same.

However if wages were low, so were the prices we paid for goods and services. Carfare at 15c a round trip (about 45 minutes each way) and an adequate lunch could be had most anywhere for 35c. Actually at the White Palace one could get two 5c hamburgers, a bowl of 15c chili and endless refills of coffee at 5c for a total of just 30c. Haircuts, which everyone had, cost 35c, shirts under smocks did not require frequent laundering and smocks were only washed when they could stand by themselves.

Now as concerns the drafting chores that confronted a young draftsman, they were rather simple and at times monotonous. The more experienced draftsmen did all of the planning and design work under the direct supervision of the Architect, and made all of the rough pencil outline drawings for plans and elevations but often left the detail drawings for the beginner to do, or at least to fill in.

Final drawings all had to be traced, either in ink or ink outline and naturally this was a chore for the beginner to perform, and to tediously erase when changes had to be made or errors corrected. There were fewer notes on the drawings but a much greater reliance upon cross hatch symbols, and since these were not standard the Material Symbol Legend had to be drawn on both plan and detail sheets.

Brick was not modular and a set of at least three brick coursing scales was a mandatory part of every draftsman's equipment. (Usually brick company furnished.) Also the bond patterns in common use for face brick had to be laid out on the drawings.

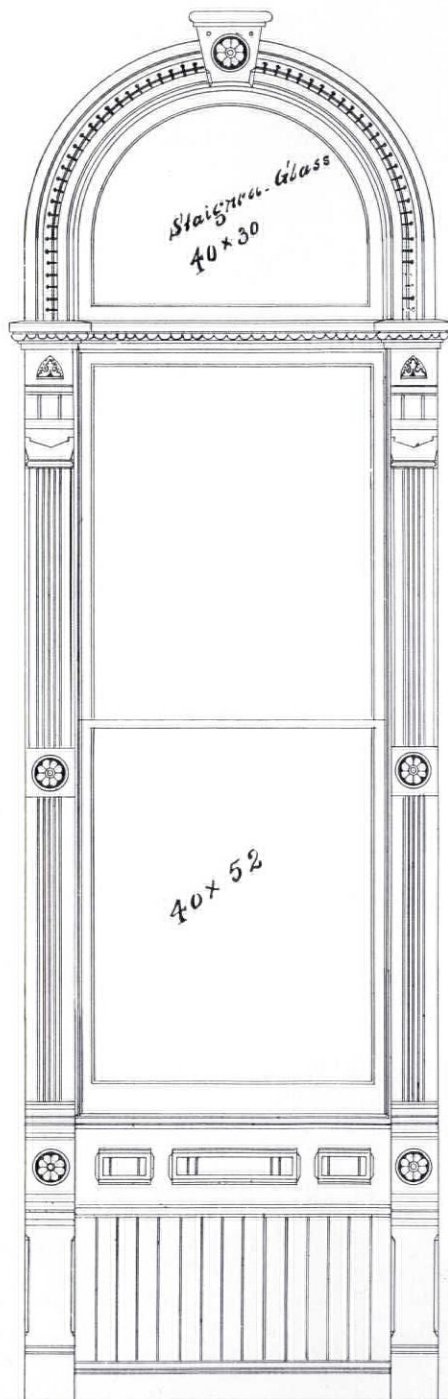
Steel construction was all put together with riveted connections which required the detailing of several hundred rivet heads, so naturally every draftsman had to have a rivet head compass since there were no drafting templates available.

Terra cotta ornament, in lavish use in those days, had to be drawn in detail, using a shrinkage scale (company furnished) and so drawn that 13¼" equalled one foot, which was further confusing. In fact, ornamentation whether in terra cotta, brick or wood was used more extensively than today and all this work had to be drawn in detail.

Mechanical and electrical drawings were much simpler than today because there was no air-conditioning and little need for elaborate illumination. However, these drawings were generally prepared in the Architect's office with the plumbing lines and electrical circuits drawn in ink and with a Symbol Legend to indicate the personal ideas of

the Architect since there were no sets of standards to be used.

Perhaps an enumeration of the materials that were not available to the Architect will give a better idea of the many items that were custom built and therefore had to be detailed on the drawings. There were no stock pre-assembled windows, either casement or double-hung, so



ELEVATION.

DETAILS: WINDOW 'A' 2ND STORY.

20- Windows 'A' 2nd Story as shown.
Butternut, Cherry sash. Of these windows
13 shall be cased with the Old Casing re-
moved from the Old Assembly Room Windows.

The above drawing is from the Roeschlaub plans for "Old East" High School, Denver. (Courtesy: Kenneth Fuller, AIA, Architect, Denver, Colorado)

all window frames had to be detailed and in the case of D/H units, the weight boxes, sash cord, pulley wheels and weatherstripping was shown.

As to stock pattern doors the choice was 5-Cross Panel or 4-Vertical Panels and not much more, nor were these units always of standard heights or widths, for 6'-10" by 2'-10" was a common size. There were no flush panel doors and no integral locks—only mortise locksets, but we did have a variety of patterned hinges and hinge tops.

There was no plywood, no plastic, no formica; we used wood or tile counter tops, and no chrome plate, or fluorescent lamps or circuit breakers and no 60 cycle current. Aluminum was too costly to use, so bronze and copper became our most common metals.

Limestone or granite were used for sills, stairs, spandrels and in many places where concrete would be used today. Concrete, because it had to be site-mixed, was lacking in either quality or color control and was never used in any exposed location or for ornamental purposes and was mostly confined to use as paving or sidewalks and drive-ways. Pre-cast concrete had yet to be discovered.

Electric switches were push-button type, convenience outlets mostly single, and lamps were tungsten filament incandescent with a 60 amp service being normal for most residences. This could go on and on, but by now you should have some idea of the many things that were not available as stock items in those days but most of which had to be detailed and custom built for each new job.

Undoubtedly there never was a better time for the beginning draftsman to get a start in the practice of Architecture. The chief draftsmen were all understanding, sympathetic and most helpful to the younger men—without them we would have been fired within a week. They showed us what to do and how to do it and always seemed to have the time to unravel our difficulties and to correct our many mistakes.

There were so many varied things to be detailed that we had to be familiar with the manner in which all things fit together and this was probably the most valuable aspect of our training. Familiarity with the simple materials and their possible uses permitted us to work out simple and satisfactory details for some of the most improbable designs that the Architect in his infinite wisdom managed to improvise.

Anyhow, in spite of all the trials and tribulations of long hours and inadequate wages, we had lots of fun at our work and for the most part enjoyed the privilege of learning and gaining experience as we toiled for the Master Architect.

(Addendum: There were some additional comments in Brad's accompanying letter which we think might well be included . . . "This may not be the sort of thing you had in mind . . . but it has been well researched for it was first completed about six weeks ago. Since then some of my contemporary draftsmen from those days have added a number of items they thought should be included. It was a lot of fun writing it and it did bring out some facts new to me . . . for instance, I found an old First Edition AISC handbook dated December, 1927 and a First Edition (Third Printing) ACI Handbook for 1928 — so we've come a long, long way since 1926. Seem to recall, but am not sure, that Sweet's in those days was a three-volume set. Between 1926-1933, I worked in seven different Denver offices . . . but even in that short time there were many innovations and improvements. It wasn't until 1937, however, when we began to discard thumb tacks in favor of Scotch Tape . . . the first drafting tapes were black as I recall and almost impossible to clean up after its removal."

a design feature

Physical Science Complex University of Nevada at Reno

Graphics and Descriptive Material from:

Casazza, Peetz and Associates/A.I.A.
Architecture and Planning—Reno, Nevada

(Academically and aesthetically—the Reno Campus of the University of Nevada registers a very high net gain as the Physical Science Complex nears completion. In the fall of 1970, the Chemistry and Lecture-Demonstration buildings were completed and occupied; the new Physics Building is presently receiving finishing touches from the McKenzie Construction Company. Even before completion, the Complex has received honors as one of the outstanding college facilities in the nation—it was selected for display at the Annual Conference of the College and University Exposition held March 26-28 at Atlantic City, New Jersey. Akin to the Annual AASA Exhibition, this selection is an important one as many submittals are eliminated during the screening process. In addition to this recognition, an impressive number of academic and industrial chemists, including eighteen Department Chairmen from the Rocky Mountain area, have toured the buildings and have been most favorably impressed. Our congratulations therefore are quite in order to the architectural firm of Casazza, Peetz and Associates, the University of Nevada and the Nevada State Planning Board for creating this handsome, academic facility within our area.)

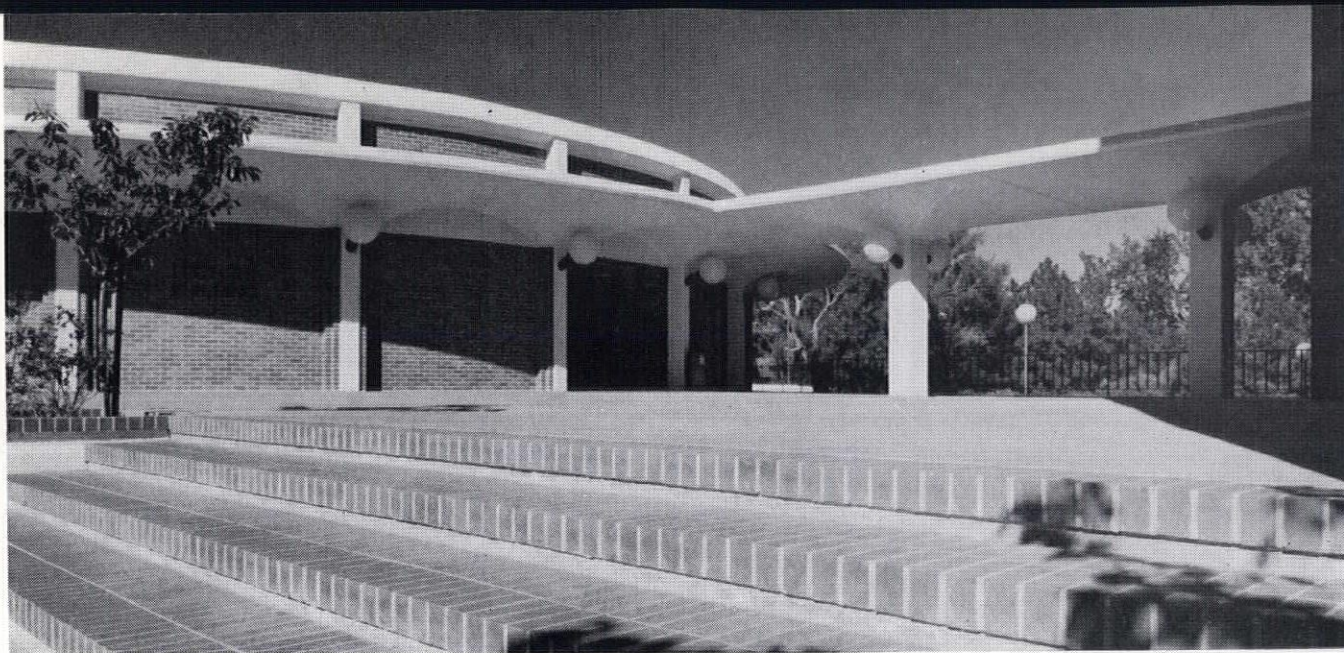
SITING

For half a century, the bowl shaped football field at the University was known as Mackey Stadium. It is this former athletic field which was selected as the site for the new Physical Science Complex—and presented a number of difficult problems. Stairways gently climb the north hill providing access to several levels of the three structures which are grouped around the landscaped plaza. The plaza located in the center of the complex also encompasses the Mack Social Sciences Building.

THE PHYSICS BUILDING

The Physics Building is placed into the hillside which provides access at grade level to the basement, first and second floors. The sub-basement is 28 feet below the ground floor to secure a minimum of vibration for research and instructional purposes, in addition to nuclear physics and research facilities. The Physics Building contains 67,000 square feet and is physically connected to the Lecture-Demonstration Building by a corridor at basement level and to the Chemistry Building by a glass enclosed bridge corridor at the ground floor level. The second floor is accessible from the upper campus and contains the department chairman's office, staff and





faculty seminar rooms. The third floor houses the research area, the penthouse, an observatory and mechanical room.

THE LECTURE-DEMONSTRATION BUILDING

The Lecture-Demonstration Building is a circular structure with 17,000 square feet and contains storage and preparation areas at the lower level, this building has access to both Physics and Chemistry Buildings by a tunnel corridor and the landscaped inner court area. The three lecture rooms contain 220, 150 and 100 seats, respectively, are also accessible from the court area. Primary access to the three lecture rooms is from the ground floor area by a 'Y' shaped corridor with three entrances. Display cases and the pendulum are located at the apex of the three corridors. An equipment room for air handling equipment is located above the lecture rooms in the core of the building. Also within this area is an interconnected catwalk system for the preparation of demonstrations over the demonstration areas of the three lecture rooms. At the ground floor area, the Lecture Building is connected to the Physics and Chemistry Buildings by a cantilevered vaulted walk. An interesting aspect of the Lecture-Demonstration Building is the recent completion of the pendulum which hangs a total of three stories and demonstrates the rotation of the earth. The rooms in the Lecture-Demonstration Building are extremely popular with the faculty for teaching and group meetings. Students are comfortably seated close to the lecturer, and the acoustic quality of the rooms is superb. Many variations in lighting and sound are possible. These are the first choice as lecture rooms on the campus.

THE CHEMISTRY BUILDING

The Chemistry Building is a three-story and basement structure and contains 84,000 square feet. The main access is off of the Lecture Building and Chemistry Building platform at grade level, and the basement on the north side of the building at grade level which serves as the service entrance to the complex. This area is slightly lower in elevation than the landscaped inner court area, and has access to the lower area of the Lecture Building through a tunnel corridor below the platform separating the Chemistry and Lecture Building. The ground floor

contains five freshman chemistry laboratories along with quantitative laboratories, classrooms, student council and faculty research laboratories and offices. Two parallel corridors in the interior of the building provide a service area in the center of the buildings with dispensing rooms, stairwells, elevator and dumbwaiters. Areas south, east and west contain classrooms and instructional areas while the areas facing the north wall facing the interior court on all three levels, above grade, contain research laboratories and faculty office space.

The second floor contains the department chairman's office and administrative area, organic chemistry laboratories, inorganic research laboratories, post-doctoral laboratories, faculty research and faculty offices. The third floor contains the central library, for both the Chemistry and Physics Buildings as well as classrooms, biochemical research laboratories, biochemistry laboratories, organic research laboratories, glass blowing and research facilities.

The penthouse contains high pressure research areas and the huge air handling equipment which is fed by 14 vertical shafts on the exterior of the building from the basement to the roof area, which handles the complicated ventilating system in the building. The basement contains receiving rooms, dispensing rooms, main mechanical room with an absorption chiller of 760 tons capacity which supplies the Chemistry, Physics and Lecture Buildings. Also located in the basement are radio chemistry physical laboratory, analytical research, instrument analysis laboratory and shop areas.

MATERIALS

The use of reinforced concrete, flat slab construction, permitted the best system for the many floor penetrations in the building. The exterior of the building is of concrete faced with red brick, which is compatible with other building materials on the campus. Spandrels and window wall sections of the building are of white precast architectural concrete. Total cost of the complex is \$6,270,000.

CONSULTANTS

John Webster Brown, Structural Engineers, Reno, Nevada; Beamer/Wilkinson & Associates, Electrical Engineers, Oakland, California, and d'Autremont-Helms & Associates, Mechanical Engineers, Los Angeles, California.

AMERICAN STANDARD, INC.

Bob Cain
Roy Lingusky
2701 Alcott
Denver, Colorado 80211
433-8615

ARMSTRONG CORK COMPANY

Carl K. Edwards
Ken Rowland
1405 Federal Blvd.
Denver, Colorado 80204
255-1703

AZROCK FLOOR PRODUCTS DIVISION

Uvalde Rock Asphalt Company
Ned Pittman
11612 Downing
Denver, Colorado 80223
466-9804

BUCKINGHAM—VIRGINIA SLATE CORPORATION FEATHEROCK, INC.

Colorado Stone Co.
Les D. Stennette
Robert D. Leavenworth
1635 N. Main
P.O. Box 596
Longmont, Colo. 80501
776-0674

THE BUEHNER COMPANIES

Buehner Schokbeton Company
Scott Turner
301 West 60th Ave.
Denver, Colorado 80216
222-4528

CARTHAGE MARBLE CORP.

Gaylord G. Kirksey
Lee Richardson
400 Osage
Denver, Colorado 80204
623-7034

DAY-BRITE-MCPHILBEN-OMEGA DIV. OF EMERSON ELECTRIC

P. W. Smith Co.
Phil Smith
Glynn Burnett
2785 N. Speer Blvd.
Denver, Colorado 80211
433-8824

DOVER CORPORATION

Elevator Division
Bill Gammon
George Van Der Schouw
1165 S. Pennsylvania St.
Denver, Colorado 80210
777-3061

DOW CHEMICAL COMPANY STYRO PRODUCTS INC.

Russell Cheney
70 West 6th Ave.
Suite 112
Denver, Colorado 80204
222-4244

DWYER PRODUCTS CORP.

Nelson Distributing Co.
David S. Nelson
917 Wazee
Denver, Colorado 80204
292-3290

EXECUTONE INC.

Executone of Colorado, Inc.
Chuck Parmelee
Dail D. Jennings
2929 West 7th Ave.
Denver, Colorado 80204
244-4249

FORMICA CORPORATION

Mike Kenney
222 Milwaukee
Denver, Colorado 80206
399-6964

G.A.F. CORPORATION

Floor Products Division
Russell N. Hamm
5440 E. Vale Drive
Denver, Colorado 80222
321-1037

QUALITY



PRODUCTS

Denver Chapter**ROHM AND HAAS COMPANY**

Richard Lehman
290 Fillmore
Denver, Colorado 80206
355-8755

ROLSCREEN COMPANY

Pella Products of Colorado, Inc.
Austin Marquis
Chuck Wolf
4500 Grape St.
Denver, Colorado 80216
388-0888

THE SHERWIN-WILLIAMS COMPANY

Norm Roche
Ray B. Norris
490 South Federal Blvd.
Denver, Colorado 80219
935-3553

THE STANLEY WORKS

Door Operating Division
Builders Service Bureau, Inc.
Tom Blackstone
Clive Lamprell
1221 Bannock St.
Denver, Colorado 80204
825-5244

STRUCTURAL CLAY PRODUCTS INSTITUTE

Don Wakefield
Mac Terry
2680 18th Street
Suite 103
Denver, Colorado 80211
455-4791

SUMMITVILLE TILES, INC.

Harry "Kelly" Mossey
Larry Bujaci
1304 So. Santa Fe Dr.
Denver, Colorado 80223
777-6651

UNISTRUT CORPORATION

Unistrut Western, Inc.
John D. Bauer
Art McClain
601 South Jason St.
Denver, Colorado 80223
733-5535

U.S. CERAMIC TILE COMPANY

Tom Keeton, Jr.
2054 South Cook Street
Denver, Colorado 80210
756-6897

U.S. PLYWOOD CORPORATION

John Kilbey
Bob Blind
490 Osage St.
Denver, Colorado 80204
222-1751

U.S. STEEL CORPORATION

Robert S. Crooks
621 17th Street
Denver, Colorado 80202
266-3001

WEYERHAUSER COMPANY

Wood Products Division
O. James Barr
Harold Morgan
5170 Kalamath
Denver, Colorado 80221
433-8571

G.A.F. CORPORATION

Building Products Division
Jim Plotzke
Ed Wolfe
156 West 56th Ave.
Denver, Colorado 80216
534-5161

GEORGIA-PACIFIC CORPORATION

R. L. Dunham
Donald H. McAlonan
1505 West 3rd Ave.
Denver, Colorado 80223
623-5101

GEORGIA MARBLE CO.

Colorado Stone Co.
Les D. Stennette
Robert D. Leavenworth
1635 N. Main
P.O. Box 596
Longmont, Colorado 80501
776-0674

GLEN-GERY CORPORATION

Brick Inc.
F. Worth Rees
4425 Race Street
Denver, Colorado 80216
255-4425

W. R. GRACE & COMPANY

Construction Products Division
Bill Dingler
Keith Bell
111 S. Navajo St.
Denver, Colorado 80223
722-5707

GRANCO STEEL PRODUCTS COMPANY

John F. Kirse, Jr.
Jerry Coleman
1609 W. 92nd St.
Kansas City, Missouri 64114

GTE-SYLVANIA CORPORATION

Bob Langemo
4675 Holly
Denver, Colorado 80216
399-1760

THE EDWIN F. GUTH COMPANY

Gregg N. Cloos Company
Gregg N. Cloos
Jerry Arendt
1201 Madison
Denver, Colorado 80206
399-8253

THE E. F. HAUSERMAN COMPANY

George Stoner
5810 West 38th, Rm. 24
Denver, Colorado 80212
422-1489

HOUGH MANUFACTURING COMPANY

Ray Carson Company
Dave Carson
Jerry Waugh
1942 Market St.
Denver, Colorado 80202
892-9337

INLAND-RYERSON CONSTRUCTION PRODUCTS COMPANY

John F. Baumann
2785 N. Speer Blvd.
Denver, Colorado 80211
433-3724

INDIANA LESTONE CO. INC.

Colorado Stone Co.
Les D. Stennette
Robert D. Leavenworth
1635 N. Main
P.O. Box 596
Longmont, Colorado 80501
776-0674

INTERPACE CORPORATION

Gaylord G. Kirksey
Lee Richardson
400 Osage
Denver, Colorado 80204
623-7034

JOHNS-MANVILLE SALES CORP.

Wayne Whitaker
Edwin M. McConnell
70 West 6th Ave.
Denver, Colorado 80204
292-3380

KEENE CORPORATION

Metal Construction Products
John D. Bauer
Art McLain
601 South Jason
Denver, Colorado 80223
733-5535

KENTILE FLOORS, INC.

Tom Schlyer
Bob Koob
8586 West 70th Way
Arvada, Colorado 80002
422-0366

LARSON PRODUCTS CORPORATION

Rio Grande Company
Don Peterson
123 Santa Fe Drive
Denver, Colorado 80223
825-2211

LENNOX INDUSTRIES INC.

Jack R. Shepherd
John Zweir
P.O. Box 7235
Park Hill Station
Denver, Colorado 80216
388-4603

LEXSUCO INC.

Binna/Bateman Assoc.
Charles L. Binna
Guy Bateman
1809 W. Littleton Blvd.
Littleton, Colorado 80120
798-8095

LIBBEY-OWENS-FORD COMPANY

Fred Walker
2106 Mile Hi Center
Denver, Colorado 80202
255-0395

MOEN FAUCET DIVISION

Standard Screw Co.
Sandy Sander
Denver, Colorado

MONARCH TILE MFG., INC.

Harry "Kelly" Mossey
Larry Bujaci
1304 S. Santa Fe Drive
Denver, Colorado 80223
777-6651

NEW CASTLE PRODUCTS, INC.

Dahl Sales, Inc.
John Campbell
Tom Blackstone
1223 Bannock St.
Denver, Colorado 80204
623-5193

OTIS ELEVATOR COMPANY

William Blyth
Donie Bourgeois
2017 Curtis St.
Denver, Colorado 80205
222-0623

PPG INDUSTRIES, INC.

Coating & Resin Division
Harold Van Gordon
R. S. Allen
1035 Zuni Street
Denver, Colorado 80204
623-6141

PPG INDUSTRIES INC.

General Glass Sales Division
Roger Holmes
K. E. Rhodes
590 Quivas Street
Denver, Colorado 80204
534-6241

PITTSBURGH CORNING CORP.

Binna/Bateman Assocs.
Charles L. Binna
Guy Bateman
1809 W. Littleton Blvd.
Littleton, Colorado 80120
798-8095

H. H. ROBERTSON COMPANY

Don Carlson
Mel Elward
280 Columbine St.
Denver, Colorado 80206
377-8873

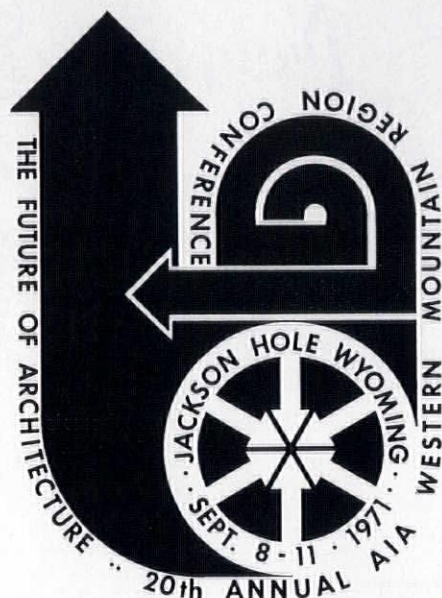
THE ROBINSON BRICK AND TILE COMPANY

Milton D. Hayman
Robert C. Sandoval
500 South Santa Fe Drive
P. O. Box 5243
Denver, Colorado 80217
744-3371

THE PRODUCERS' COUNCIL
INCORPORATED

*The Wyoming Chapter
American Institute of Architects
presents...*

*An
Extravaganza
in
Three Acts
and a
Prologue*

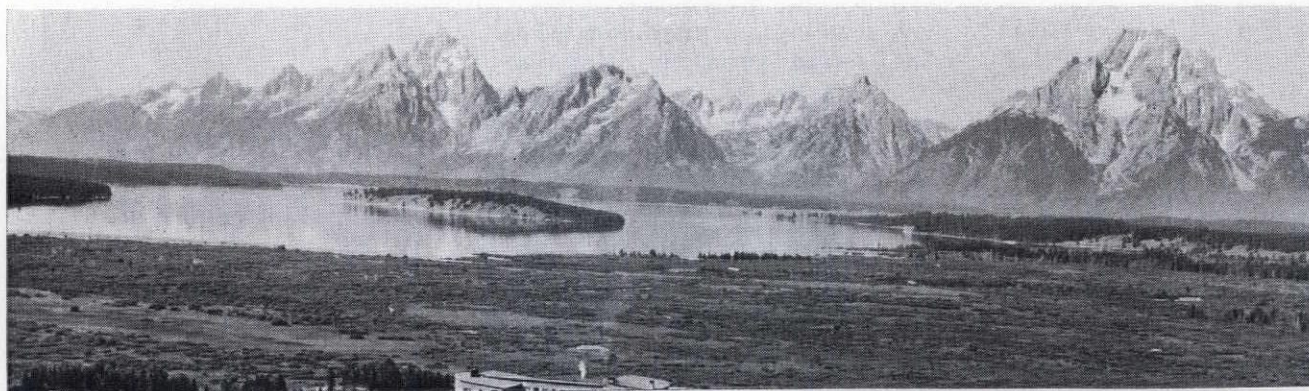


*All-Star Cast
Added Feature
Attractions
Scenery and
Special Effects:
The Good Lord*

A Deines-Toohey Production

CURTAIN TIME: 2:00 p.m., Wednesday, September 8, 1971
Jackson Lake Lodge, Grand Teton National Park

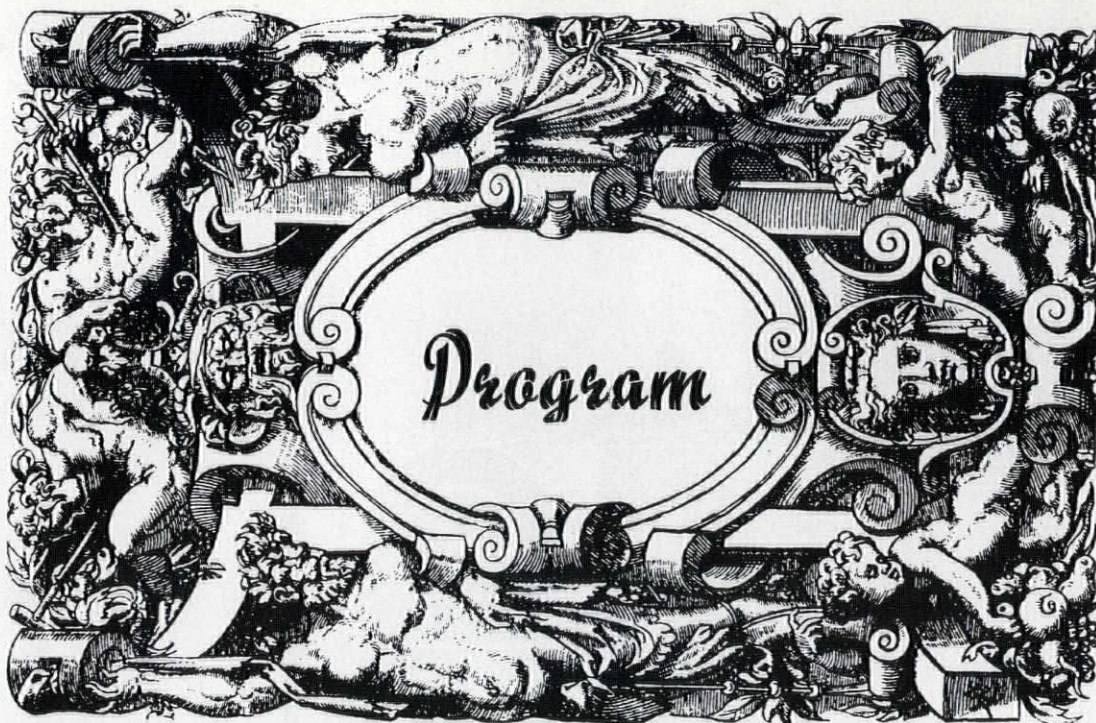
Welcome To Wonderful Wyoming!



Architects of the Western Mountain Region—Members of Producers' Council, Their Ladies and Our Distinguished Guests!
Your reserved seat is waiting, the orchestra under the baton of our Regional Director, Maestro Max Flatow, F.A.I.A., is ready to begin the Overture.

As the curtain rises on this—the 20th Revival of a perennially favorite attraction—may we, the backstage crew, bid you welcome. May we hope your brief stay with us will be intellectually stimulating, physically pleasant and relaxed and may your spirit be refreshed by the beauty of this wilderness setting.
A warm Western Welcome to all of you from . . .

THE WYOMING CHAPTER/AMERICAN INSTITUTE OF ARCHITECTS



The setting for all action is Jackson Lake Lodge unless otherwise indicated.
 The Registration Desk in the Main Lobby will be open daily — September 9, 10, and 11 — for your convenience.
 Exhibits are in the Explorer Room.

The Prologue Wednesday, September 8

2:00-5:00 p.m.	Registration	Main Lobby
4:00 p.m.	Council Meeting for Western Mountain Region Chapter Presidents	Conference Room 2 and 3
6:00 p.m.	Cocktail Party Hosted by Wyoming Chapter/Admission by Registration Badge	Sun Deck

Act I Thursday, September 9

9:00 a.m.	Conference Convenes Wyoming President Gene Dehnert presiding New changes in Fire Resistive Requirements Thomas P. Feit, Zonolite Manager/Construction Products Division, W. R. Grace and Company, Cambridge, Massachusetts	Explorer Room
10:45 a.m.	Coffee Break	
11:00 a.m.	Project Programming Robert Fielden, AIA, Las Vegas, Nevada	
Noon:	Opening Luncheon (Ticket #1) Welcome: Max Flatow, FAIA, Director/Western Mountain Region Address: Max O. Urbahn, FAIA, President-Elect American Institute of Architects	Conference Room A and D
Noon:	Ladies Luncheon (Ticket #2) Jerri Greenes' Indian Style Show (from the private collection of Richard and Jerri Greenes)	East Dining Room
2:00 p.m.	Park Planning Concepts and Procedures Glenn O. Hendrix/National Park Service Everything You Always Wanted To Know About Being an Architect For The Park Service (But Didn't Know Where To Ask) Jerry Riddell, AIA, National Park Service	Explorer Room
3:30 p.m.	Coffee Break	
4:00 p.m.	Continuation of Program and Discussion	
SPECIAL EVENING PROGRAM . . . (Ticket No. 3) Producers' Council Cocktail Party Western Steak Fry		Snake River Buses leave Lodge at 5:15 p.m.

Act II Friday, September 10

- 7:30 a.m. Symposia Editorial Board Breakfast (by Invitation)
 9:00 a.m. **Office Practice**
Architectural Liability/Richard R. Bostwick, Attorney
 (Murane, Bostwick, McDaniel, Scott and Greenlee, Casper, Wyoming)
Insurance/James R. Stevens, Assistant Vice President,
 Victor O. Schinnerer and Company, Inc., Washington, D.C.
 10:30 a.m. Coffee Break
 10:45 a.m. **Fiscal Abuses in the Construction Industry**
Robert G. Cerny, FAIA, President/Construction Industry Foundation,
 Minneapolis, Minnesota
 11:45 a.m. Discussion

East Dining Room
 Explorer Room

Explorer Room

Intermission

- Noon: Luncheon . . . on your own
 2:00 p.m. **Float Trip** (Ticket #4—Pre-Registrants only)
 2:00 p.m. **Cruise** (Ticket #5—Pre-Registrants only)
 (Information on other activities—Golfing, Riding, Fishing . . . etc., will
 be available at the Registration Desk in the Main Lobby)
 Evening: Dinner . . . on your own
Theater (Pre-Registrants only)
 (Transportation will be available from Lodge to Jackson and return at
 cost)

Snake River
 Jackson Lake

Jackson or elsewhere
 Jackson

Act III Saturday, September 11

- 7:30 a.m. **State Preservation Coordinators Breakfast** (Individual checks)
Thomas Muths, Presiding, **Ned Frost**, National Park Service speaking.
 Anyone interested is welcome.
 9:30 a.m. **Annual Business Meeting/W.M.R.**
 Presiding: **Max Flatow, FAIA**
 10:30 a.m. Coffee Break
 10:45 a.m. **Architectural Design**
William C. Muchow, FAIA, Denver, Colorado
 Noon: Luncheon . . . on your own
 (This afternoon is free so you may enjoy the many amenities of Jackson
 Lake Lodge and the beautiful scenery of Grand Teton National Park.)
 6:30 p.m. **Cocktail Party** hosted by the **Structural Clay Products Institute**—
 admission by Registration Badge
 8:00 p.m. **Annual Awards Banquet**
Awards
Address: John W. McHugh, AIA, Santa Fe, New Mexico

Conference Room C

Explorer Room

Explorer Room

Dramatis Personae (In order of their appearance)

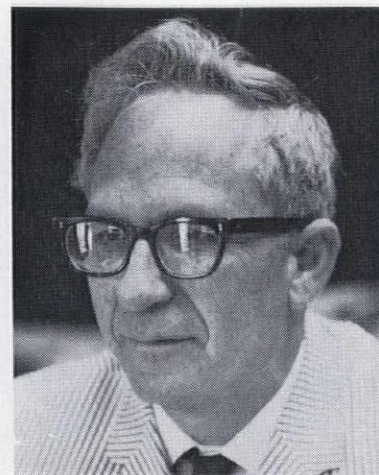
Max Flatow, FAIA

Born in Port Arthur, Texas, and an Architectural Engineering graduate of the University of Texas in Austin, Regional Director Flatow is the senior partner in the architectural and planning firm of Flatow, Moore, Bryan and Fairburn of Albuquerque and Phoenix. The busy job of principal in one of the few "jolly green giants" in the Western Mountain Region has not deterred Max from spending almost two decades as a dedicated member of the A.I.A.—serving the Institute in many capacities at all lev-

els. He received his Fellowship in June of 1967.

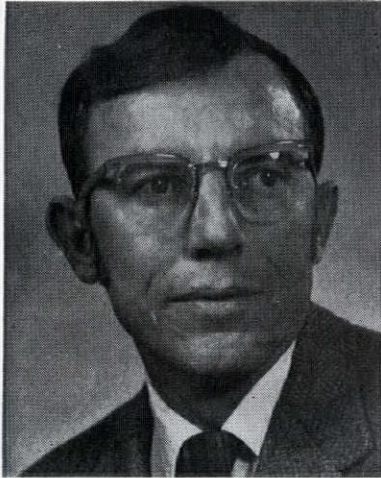
A soft spoken, unassuming fellow, Max is a devoted family man—he and his wife, Ann, maintain an "open door policy" for children and grandchildren in their charming home in Albuquerque. They share an interest in the arts . . . Ann as a potter and Max as a water colorist of considerable ability.

He was elected to the Regional Directorship at the 18th Conference held in 1969 and will serve 1970-73.



PROLOGUE:

Wyoming



Eugene F. Dehnert

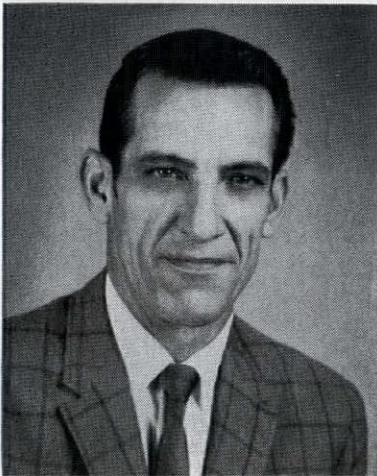
In the past few months Gene has become increasingly well known to Symposia's readers — and small wonder, since his chief assignment during 1971 has been that of President of the Host Chapter/20th Annual WMR. He is a native of JPB Country and a graduate of Montana State University with continuing education at Colorado U. in Fall-Out Shelter Analysis, the Montana Higher Education Facilities Workshop and the Architectural Barriers Workshop. He is licensed in Montana, Wyoming, Idaho, North Dakota and Iowa.

Gene and partner, Bob Corbett, maintain two offices for the practice of



architecture . . . one in Lander and another in Jackson, Wyoming. Wife Charlotte and Gene are the parents of five children . . . James presently at Stanford's overseas campus at Beutlesbach, Germany; Lon, a 1971 High School graduate; Bruce, who has just moved up to sophomore status; a daughter, Gail, 7th Grader and Kelly (son) in 4th Grade this year. These busy people still find time to enjoy wheel-thrown pottery making, Charlotte writes a local newspaper column and Gene does charcoal drawings and metal sculpture. Charlotte is very active in planning this year's Ladies Program for the September Conference.

Arizona



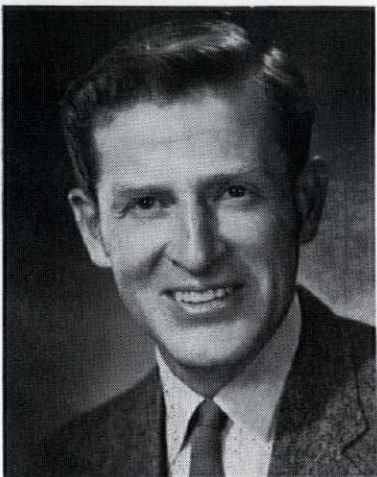
John Dellisanti

It's a "fur piece" from the tree that grows in Brooklyn to the palms and cactus of Phoenix, Arizona, but John has made the transition with the greatest of ease. Educated at the Brooklyn Polytechnic Institute of Science and Technology, he migrated to the Southwest some 17 years ago, and has been active in A.I.A. affairs since 1961 . . . serving as treasurer, vice president and president of the Central Arizona Chapter, and three years on the Board of the Arizona Society. Both



John and his wife, Mary, are interested and enthusiastic participants in church and community activities and the parents of three sons—Steve, Mike and Jeff. Perhaps it was the early influence of Ebbett's field . . . but John has "backed-up" all three boys in Little League baseball and Pop Warner football. His other interests include fishing and playing the trumpet . . . he really enjoys "jamming" with his musical architectural colleagues.

Colorado



John Anderson

President of the Colorado Society is just one of the "fearless leader" jobs for John, who was President of the Colorado Chapter in 1967, and since formation of the Society has been Treasurer, Secretary and Vice President.

One of our favorite Connecticut Yankees, John was born in New Haven and received his A.B. in Architectural Science at Harvard which he followed with three years in the Graduate School of Design. Heading West following his excellent educa-



tion, he opened his own practice in 1960—and five years later this firm became Anderson/Barker/Rinker. About this time a year ago, further expansion took place and the A.B.R. Partnership was established. Both John and his petite and charming wife are interested in community affairs, in legislative concerns, and in the improvement of the environment. They have two sons—getting to be pretty grown up, now—and live in an Award-Winning Anderson designed home in the foothills overlooking Denver.



Gerald R. Strehlow

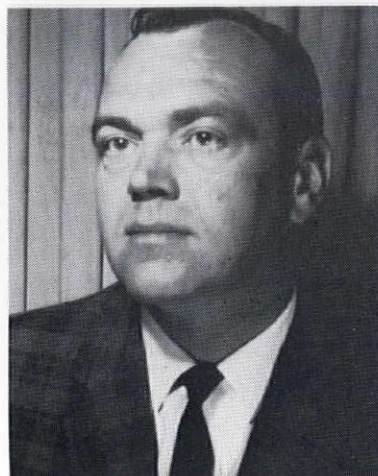
One might term Gerry one of the "new Western architects" since his residence in Las Vegas, Nevada, only dates from 1967. A "Windy City" native, he graduated with his architectural degree from the University of Illinois, went to work as an architectural draftsman for Skidmore, Owings and Merrill in Chicago and married Audrey Mae Johnson—all in the exciting year of 1956. The Strehlows found themselves a long way from home during the next two years while Gerry was a First Lieutenant in the United States Army Anti-Aircraft Artillery in Fort Bliss, Texas. Follow-

ing military service, they returned to Illinois where Gerry had a couple of jobs before joining Architect Charles E. Stade of Park Ridge in 1961. Since 1967 he has been with Zick and Sharp, Architects/Engineers, Las Vegas.

The local AIA Chapter didn't take long to put him to work; he was Vice President in 1969, President in 1970 and this year, of course, heads the Nevada Association. He is also the 1971-'72 President of the Las Vegas Art League.

The Strehlows number six . . . Papa Gerry, Mama Audrey and Erik, Dana, Kira and Scott, ranging in age from 10 to 2.

Nevada



Earl "Pat" Wood

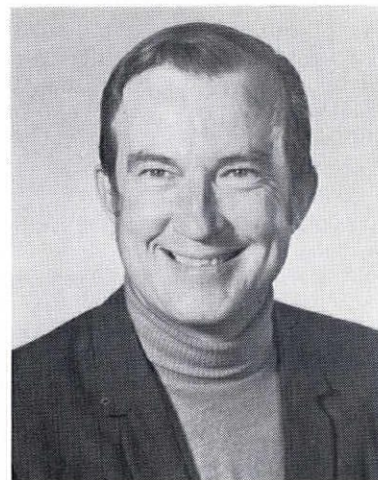
Akin to "army brats," the offspring of Civil Engineers frequently spend a peregrinating childhood. "Pat" Wood, for instance, born in Detroit, attended some fifteen different schools until he graduated with highest honors from Highland Park High School in Michigan. He holds a B.S. in Civil Engineering and an M.S. in Structural Engineering from the University of Michigan—which he promptly followed with three years in Uncle's Navy.

"Pat" has been in New Mexico (since 1950) for what seems to be an indefinite stay . . . for 13 years he was a principal in the structural design firm of Wood and DeLapp, and is now head

of the architectural/engineering practice known as Earl Wood and Associates, Santa Fe.

In addition to his President's gavel for the New Mexico Society/AIA, he has wielded same as President of the Santa Fe-Los Alamos Chapter of the New Mexico Society of Professional Engineers and as State President of the Professional Engineers in Private Practice. "Pat" truly believes good citizens owe their community free time and effort and to this end has spent six years on the Santa Fe Planning Commission, Board of Adjustment and the Historic Style Committee. He is the present Chairman of the Santa Fe Sign Ordinance Committee.

New Mexico



Kenneth W. Jones

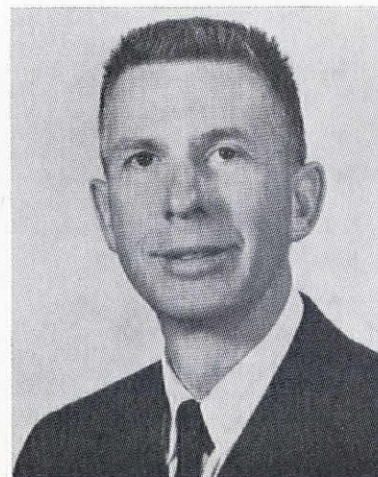
Since Ken Jones enjoys both golfing and fishing as leisure time activities—he should be well pleased with the site of this year's WMR Conference, since the Jackson Lake offerings in this area are superb. A cum laude Architectural Engineering graduate of Colorado University, he is a native of Ogden, Utah, where he practices today—with a second office in Idaho Falls . . . a firm, by the way, which dates from 1958.

A real booster for his home town, Ken is a member of the Ogden Chamber of Commerce, a past president of Ogden Lions, and served as chairman

of the Ogden City Sub-Committee for the Central Business District/Ogden Master Plan. He has also been a member of the Weber County Planning Commission and has served in the bishopric of his ward (L.D.S.) for three years. Married to the former Mary Linsley, a "home town girl," Ken is the father of three—Randall who is 18; Jolin, 16, and Mitchell, a young fellow of 11.

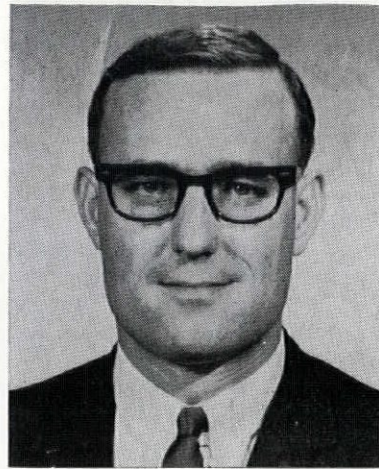
In addition to his present job as "fearless leader" of the Utah Chapter, Ken was the 1960 Charter President of the Northern Utah Architects Association . . . indicating a "long and honorable" in the A.I.A.

Utah

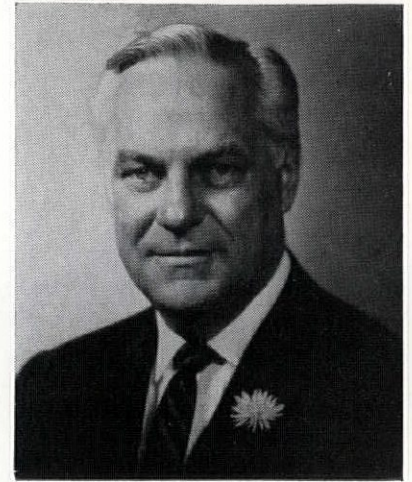




Thomas P. Feit



Robert Fielden, AIA



Max O. Urbahn, FAIA

ACT I

Thomas B. Feit

New Change in Fire Resistive Requirements

Mr. Feit is manager of Zonolite fireproofing products for the Construction Products Division, W.R. Grace & Company, Cambridge, Massachusetts. He received his Bachelor of Science degree in Civil Engineering from Marquette and served with the U.S. Army Corps of Engineers following graduation. For eight years, he was senior project engineer with the Underwriters' Laboratories, Inc., and spent two years as fire protection engineer with the Vermiculite Institute, Chicago.

Mr. Feit is a member of the National Fire Protection Association, Society of Fire Protection Engineers, the ASTM Task Group on Sprayed Fireproofing Materials and current chairman of the Task Group on Flame Spread. He is responsible for his company's fire test program and acceptance of products by national and local code authorities. A recent appointee to the Industry Advisory Conference for Fire Resistance Test Methods and Materials of Underwriters' Laboratories, Inc., Mr. Feit is married and lives with his wife and four children in Carlisle, Massachusetts.

Robert A. Fielden, AIA

Project Programming

Bob Fielden is one of the principal partners in the architectural/engineering firm of Jack Miller and Associates, Las Vegas, Nevada. In this capacity, he has had in-depth experience in all phases of Project Programming including Project Analysis, Operational and Building Programming, Design and Planning both Building and Operational and in Construction Services. Bob was born in Amarillo, Texas, and his B. of Arch is from Texas Technological College. He is also a Certified Fallout Shelter Analyst, has been a Contributing Member of the Urban Design Committee of the AIA and the Las Vegas Beautification Committee. He has served as President of both the Las Vegas Chapter and the Nevada Association/AIA.

There are many of us in the WMR who recognize his dynamic ability and youthful verve, but perhaps may be said to love him best as "Benchley" with the irrepressible sense of humor. His pretty wife is named Jane—and they have two children.

Max O. Urbahn, FAIA

Luncheon Speaker

Western Mountain Region architects welcome with pleasure this opportunity to hear the President-Elect of the Institute . . . not only because of his knowledge and understanding of professional problems, but because he is a very delightful person as well. His Architecture and Planning firm, Max O. Urbahn and Associates, Inc. is located in New York City, originally, Mr. U. is a native of Milwaukee. After undergraduate work at the University of Wisconsin, he received his Bachelor of Science in Architecture from the University of Illinois, his Bachelor and Master of Fine Arts from Yale where he was an Assistant Professor, 1947-'49.

His professional awards are legion and from many sources . . . the New York State Association of Architects, the American Society of Civil Engineers, the American Association of School Administrators, the Concrete Industry Board and many others. He was named "Architect of the Year" in 1964 by the New York Construction Institute, and became Fellow of the Institute in 1966. A Corporate member since 1949, he has ably served at every level . . . Chapter, Regional and National since that time.

It is a great honor to welcome to Wyoming—the President Elect of the American Institute of Architects, Mr. Max Urbahn!

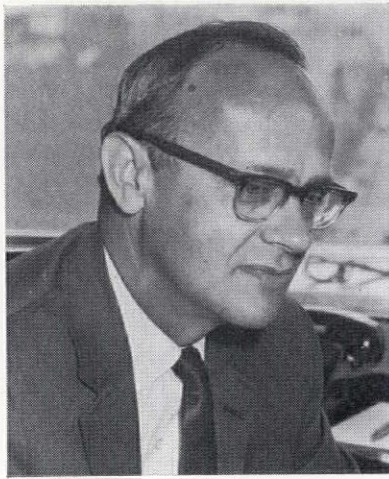
Regional Development

Glenn O. Hendrix

Park Planning Concepts and Procedures in the National Park Service.

Although a native of Ohio, Mr. Hendrix is no stranger to the regional development problems of the Western Mountain Region. A landscape Architecture graduate from Ohio State, he entered the National Park Service in 1948 with assignments in the Regional Office in Santa Fe, Lake Mead National Recreation Area and the Western Office, Design and Construction, San Francisco. In 1962, he became a member of the Long Range Requirements Task Force to identify objectives and guide the Service in defining the fundamental philosophy of future park use. This report—"The Road to the Future" incorporates the basic principles upon which the Park Service will be managed for many years to come.

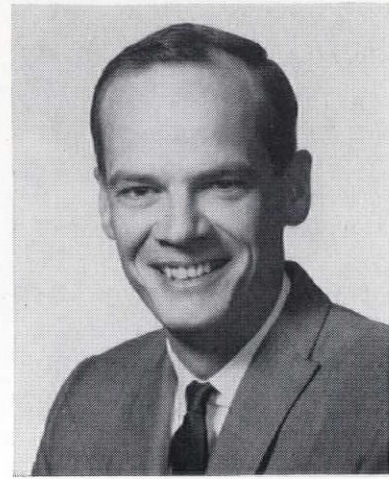
During the years, Mr. Hendrix has served on many such planning teams and committees, and in October, 1969 when the Western Service Center was organized he became Chief of the Office of Environmental Planning and Design.



Glenn O. Hendrix



Richard R. Bostwick



James R. Stevens

Since June, 1971, he has been Director of the Western Service Center—directing professional services for the four Regions of the Park Service west of the Mississippi. He is a member of the American Society of Landscape Architects and a licensed professional Landscape Architect in California.

Jerry Riddell, AIA

Everything You Always Wanted To Know About Being an Architect For The Park Service — But Didn't Know Where to Ask

Mr. Riddell, to the San Francisco manner born, received his Architectural degree from the University of California at Berkeley. After some years working in offices in the Bay area, he opened his own practice in 1947—remaining in that capacity until he joined the National Park Service in 1954. He has been involved in an extensive building program in the West and as Chairman of the Selection and Evaluation Board participates in interviewing, recommending and selecting architectural firms as consultants for the Western Service Center. In 1969 when the Center was established, he was appointed Staff Assistant for Architecture to the Chief, Office of Environmental Planning and Design, a position he still occupies.

Mr. Riddell is a member of the American Institute of Architects presently serving on the Architectural Practice Committee of the Northern California Chapter.

ACT II

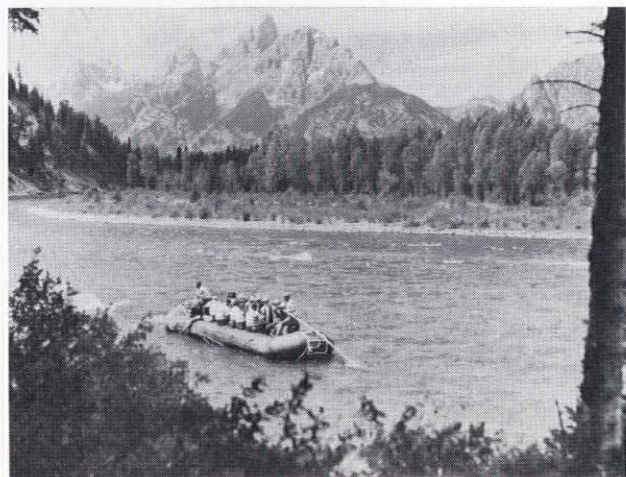
Richard R. Bostwick Architectural Liability

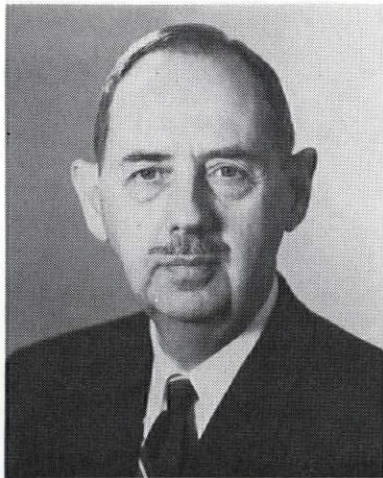
Mr. Bostwick is a partner in the firm of Murane, Bostwick, McDaniel, Scott and Greenlee of Casper, and the principal "legal eagle" at this year's Conference. He received his A.B. from the University of Wyoming in 1943, his J.D. in 1947 and was admitted to the Bar that same year. His professional associations are many, including membership in the American, Wyoming and Natrona County Bar Association . . . he was President of Natrona Association in 1956, of Wyoming in 1964-'65. He is presently serving on the Board of Governors of the International Society of Barristers. His many community activities include the Wyoming Alumni Association, the Casper Chamber of Commerce, Rotary, the Y.M.C.A. and the Curriculum Coordinating Committee of the Natrona County School District Number 2. He is a frequent contributor to legal publications. With Architectural Liability becoming an increasingly difficult problem for the practitioner . . . Mr. Bostwick is assured an interested audience.

James R. Stevens Insurance

Mr. Stevens comes to the Conference from Washington, D.C. where he is Assistant Vice President of Victor O. Shinnerer and Company, Inc. This firm has long been in the forefront of the professional insurance field, serving the Institute as Consultants in these matters.

"Floating Down The Snake On a Friday Afternoon" is just one way of describing the "fun-time" scheduled for Intermission at the Western Mountain Region's 20th Annual Extravaganza. Other activities for this period in time include such options as a Cruise on beautiful Jackson Lake, Golf on the challenging Jackson Lake Lodge Course, Horseback Riding or Hiking the trails or pitting your skill with Rod and Reel against the wily trout. Climax of Intermission is the Theater Party Friday evening in Jackson.

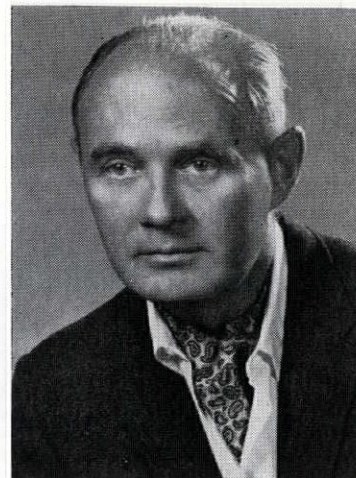




Robert G. Cerny, FAIA



William Muchow, FAIA



John W. McHugh, AIA

Fiscal Abuses in the Construction Industry

Robert G. Cerny, FAIA

We would really need several pages to do this gentleman justice . . . he has long been a leader in his profession. He received his B. Arch from the University of Minnesota, his Master's from Harvard and received the Nelson Robinson, Jr. Fellowship Award for travel and study in Europe. He began his career as an Associate Architect for T.V.A., entered private practice in 1937, and since 1960 has been principal in the firm of The Cerny Associates, Inc. of Minneapolis. Since 1969, he has been President of the Construction Industry Foundation.

He writes . . . "My personal life is hectic with the demands of an architectural practice and responsibility for the thesis class in the University of Minnesota School of Architecture plus the usual commitments to civic organizations, societies, committees, etc. I have little opportunity for organized sports other than swimming and boating during the summer. Gardening is my favorite summer hobby. I can spend 10 minutes or half an hour and enjoy this activity very much. Winters become increasingly difficult but, with good luck, I can get away to a warm climate and, during these periods, I have reactivated an interest in water colors and oil paints . . . the results discouraging but enjoyable.

My son, Robert L. Cerny, is a graduate of the Los Angeles Art Center and is creative photographer for the Dayton-Hudson Corporation in Minneapolis. My daughter, Susan, started elementary education, and has been gradually drifting to the left through a variety of art school experimentations, and has finally settled on weaving as her career. Mrs. Cerny presides over all these activities with relative calm and devotion and tries to keep it all glued together."

It will be a great pleasure to meet Mr. Cerny . . . in person!

ACT III

Architectural Design

William C. Muchow, FAIA

Since Bill is a neighbor of ours in Colorado, it's pretty difficult not to brag about him — not just a little, but a lot! When his firm, W. C. Muchow, Associates, Denver,

gets up from the bench to participate in an Architectural Awards program — you better believe, they came to play! His dozens of professional awards include the Rome prize from the American Academy in Rome, Sunset Magazine and Progressive Architecture, the American Institute of Steel Construction and the American Institute of Architects . . . and that's just for openers. He is making a very real impact upon the scene with such award winners as the Engineering Sciences Center at Colorado University, the Denver Convention Center, many churches and office buildings. The firm is currently busy with the Park Central project in Denver's Skyline area . . . one of the largest office-retail complexes in the entire region.

Bill's architectural degree is from the University of Illinois, his master's in architecture and urban planning from the Cranbrook Academy where he also met his wife, Phyllis, who has been his vivacious and charming helpmeet ever since!

At the Awards Banquet

John W. McHugh, AIA

He is often called "Himself" . . . for although born in Ohio, there is still a good bit of the "ould sod" clinging to his boots, and much of the Irish insouciant lilt to his manner. Of his education . . . John writes: "Graduate B. Arch. University of Notre Dame, post-graduate studies all over the map including a playboy summer at the American Academy at Fontainebleau, France. (Won first prize in architecture and was kissed on both cheeks by President Auriol!) None of this schooling did the slightest bit of good, but it did keep me off the streets."

In spite of John's three years in Uncle's Air Force, he says, "we won the war"—and following a teaching stint at Notre Dame, he says—"Drove my carefree, new convertible into Santa Fe one sunny-cloudy November day, 1946, and was enchanted. The car radio was playing "Jesusita en Chichuahua", the enchilladas and Tequila were delicious — and I've been trapped ever since." His initial decade in the Land of Enchantment was spent in the office of John Gaw Meem, FAIA, and then he went into private practice with Van Dorn Hooker, joined a year later by Bradley P. Kidder, FAIA. Just recently this firm has become McHugh, Kidder, Burran and Wright, Architects/Engineers/Planners with offices in Clovis, Albuquerque, Santa Fe and Dallas.

John and his delightful English wife, Gillian, are the parents of a ten-year-old daughter, Patricia, and an eight-year-old son, Colin. His special interests including painting, sketching and foreign travel, which he graciously shares each summer with Symposia readers.

1971 Design Awards Program

The Portland Chapter/American Institute of Architects

THE JURY

William Muchow, FAIA, Denver, Colorado
Howard Backen, AIA, San Francisco
Lee Kelly, Sculptor, Oregon City

The Jury's Philosophy:

A given jury in a given year might decide that material submitted failed to merit election. They might not cite any project for a First Honor Award (as occurred in 1970); they may cite as many or as few as they feel appropriate. Conceivably, they may fail to give any award at any level. The 1971 Jury stated flatly that they were not interested in prettiness as such; that for any given project the consideration was the total impact on the land and on the society rather than a consideration of an individual building; awards were given to an ideal, to a furthering of the total community.

In essence the jury stated its lack of concern for cosmetics, and a total concern for the manner in which the project under consideration lived with its neighbors or environment and with occupants and users, and hopefully the impact of awards would have a beneficial and positive impact.

FIRST HONOR AWARD

A Visual Survey of Downtown Portland
The Portland Chapter, A.I.A.

"This comprehensive survey of existing conditions overlies our total concern. A look at planning on a visual level. A plan which recognizes the existing assets of a city and utilizes them as directions for future development."

“BROWNIE BUTTONS”

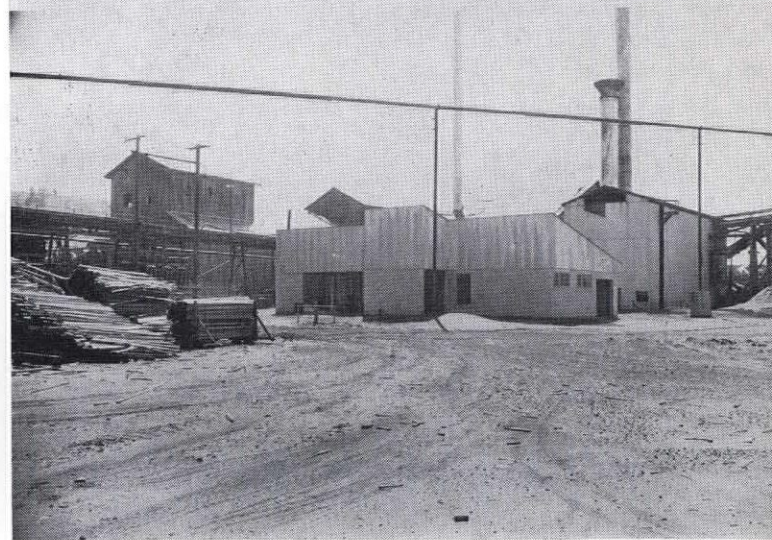
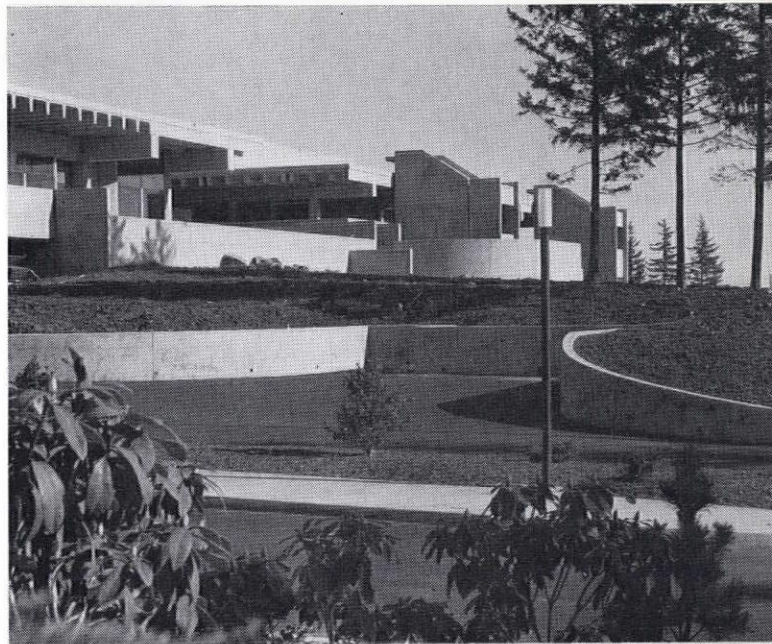
a critique

The Portland AIA Chapter has experienced its annual molting with its 1971 Design Award Program. The Jury was comprised of an Architect from Denver as its Chairman, a young San Francisco Architect, and a long-

FIRST HONOR AWARD

Portland Community College
Wolff/Zimmer/Gunsul/Frasca/Ritter—Architects

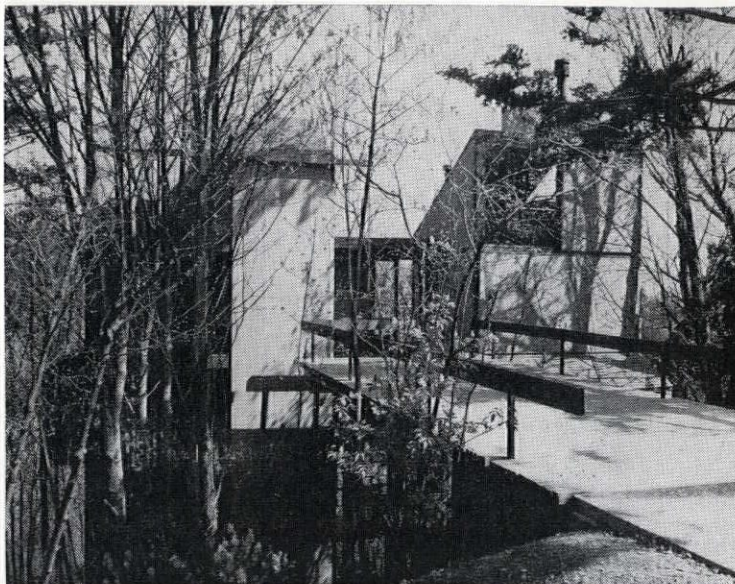
"A three-dimensional expression of a strong educational philosophy".



FIRST HONOR AWARD

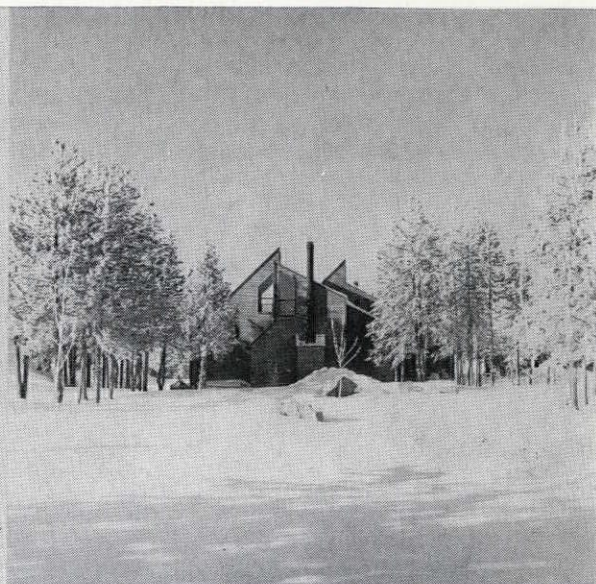
Workers Lunch Room
Robert York—Architect

"A direct response to a basic problem. Recognition of surrounding influences. The architect can make a significant contribution at all levels."



HONOR AWARD
Oliver Residence
James Oliver — Architect

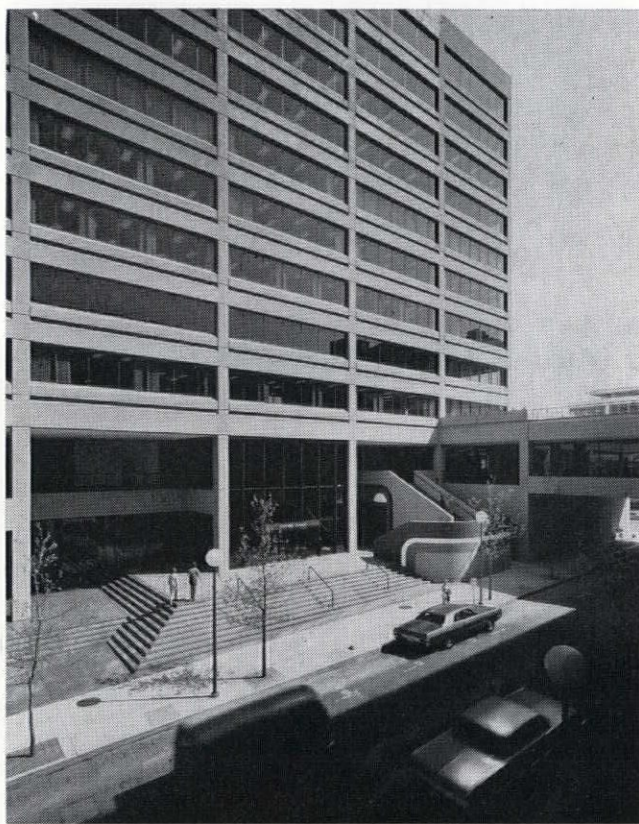
"A creative house is a vehicle for the development of a system of construction."



HONOR AWARD
Mountainview Lodges
Sunriver Properties, Owner
Wilmsen, Endicott, Greene, Bernhard and Associates — Architects

"A series of living units developed in sympathy not in opposition to the site and nature."

Photography: Edmund Y. Lee

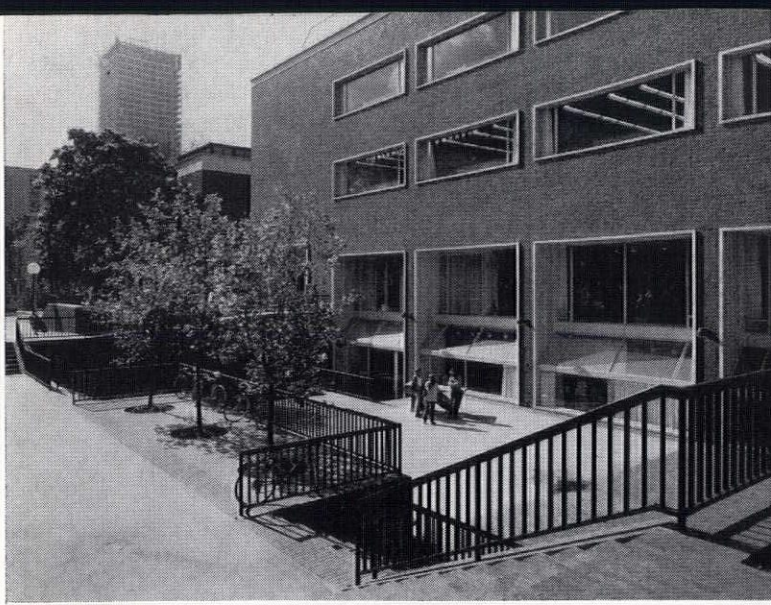


HONOR AWARD
Crown Plaza
Melvin Mark Properties and City Center Parking, Owner
Wolff/Zimmer/Gunsul/Frasca/Ritter — Architects
(Photography Art Hupy)

"A combination of office space, public space and transportation facilities very well inter-related."

haired Sculptor from Oregon City. The Chairman of the Award Program was asked many times after the Awards were announced, just what did the Sculptor have to do with Architecture, or incidentally, what did he know about it. It was the best Jury I had ever encountered and one of the most conscientious and hard working. It also was one of the most generous, not only because of the quality of the 43 entries, but because I believe they wanted to some day come back to visit Portland. Like most juries these days, I believe they got hung up on the environmental and sociological aspects of projects. One of the three first honor awards was for a corrugated iron and concrete block lunch room for Indian sawmill workers. The chairman of the program decided that the sawmill lunch room of all the projects entered was a cinch winner after listening to jury comments at the critique the night before the awards banquet, which included the immorality of owning a home away from home, the encouragement of smog by the provision of adequate parking, the relating of new projects in urban centers to existing California designed buildings, and why wasn't the existing old building preserved rather than replaced by a new one. It didn't matter if it was a "little ugly," but it met all of the environmental and sociological ideals of the jury. The number of telephone calls the sawmill lunch room produced was fantastic, and a shocker was the refusal of the Oregon Journal to publish its photo. A doctor at the art museum opening of the design award exhibition commented that if the sawmill lunch room was one of the three best that Portland architects had produced in 1970, he'd be interested in seeing the three worst.

The jury awarded one of the three first honor awards to the Portland Chapter for its "Visual Survey of Downtown Portland." Certainly the award was deserving, but in back of their minds the jury was thinking about public relations and influencing the establishment.



HONOR AWARD

Portland Art School Addition and Sculpture Court
Portland Art Association, Owner
Pietro Belluschi, FAIA and
Wolff/Zimmer/Gunsul/Frasca/Ritter — Architects

"An addition that completes a fine existing building. A delight in its concern for public space." (Photography: Art Hupy)

The payoff came when the jurists instructed the professional journalist on the committee to only release to the news media the photos of the two top winners, the saw-mill lunch room and a Portland Community College. This decision was made without knowledge or approval of the committee, and was one that was beyond their prerogative—their responsibility was to judge and select the best designed projects, not establish the criteria of whether a client should have built the project in the first place or which projects should be publicized because of their resulting impact on the public's conscience. If the three jurists weren't from out of town, one might almost surmise by their decisions that they were running for public



HONOR AWARD

The West Side Apartments
Martin and Soderstrom, Architects

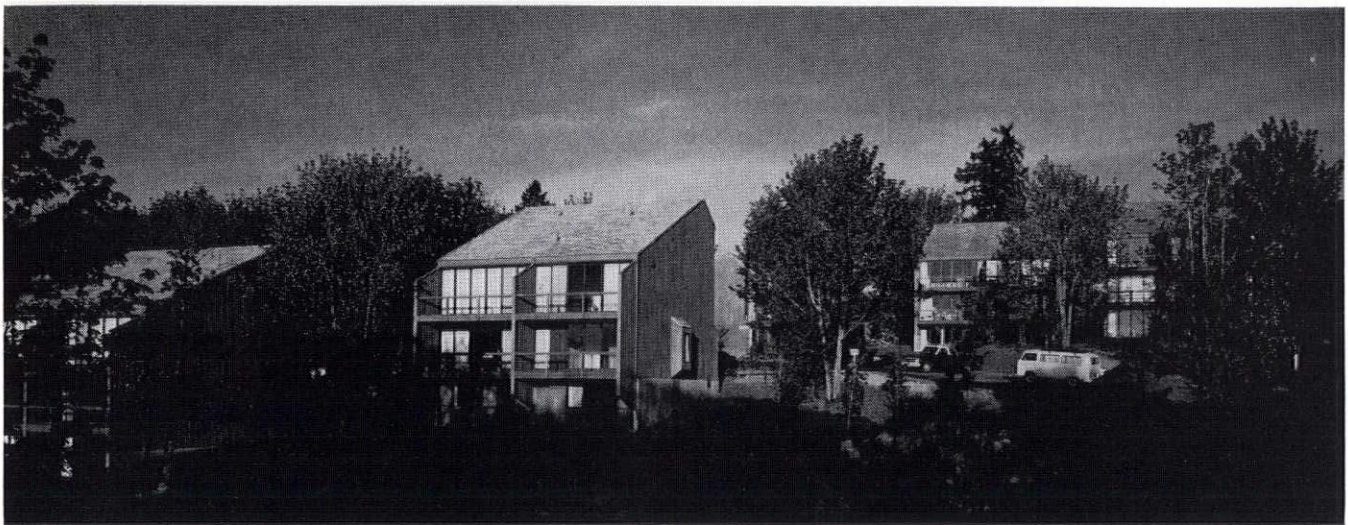
"A submission that addresses itself to a typical urban problem of housing on a rather nondescript city lot. The results are well organized living units with interesting exterior porches and entries." (Photography: Edmund Y. Lee)

office.

It's been a couple of months since the jury left town, and gradually things are calming down in old Portland. There just might be a 1972 Design Award Program, regardless of a movement by the young Turks of the Chapter to henceforth have only an exhibition of architecture minus jury and resulting "Brownie Buttons."

H. Robert Wilmsen

P.S.—My firm received an honor award for a highly immoral project, and it wasn't located in the tenderloin district of Portland, but in that rich man's commune, Sunriver.



HONOR AWARD

Tanglewood
Homeland, Inc., Owner
Campbell, Yost and Partners — Architects

"A sensitive utilization of site, producing an atmosphere of privacy yet achieving a rather high density dwelling complex. Hopefully, it will have a positive impact on adjacent developers." (Photography: Hershberger)

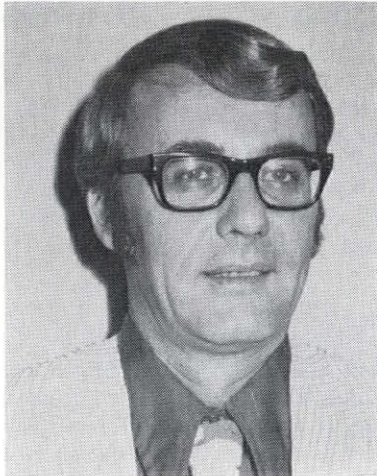
Additional Citations were also accorded the architectural firms of—Colburn, Sheldon and Kaji; Herbert K. Chin; Martin and Soderstrom; Skidmore, Owings and Merrill; Gary Michael.

a symposia series

Introducing: architecture/engineering/construction leaders

TAKE ME TO YOUR LEADER

ARIZONA



Scott Campbell, President
Phoenix Chapter
Construction Specifications Institute

Scott moves into the Symposia spotlight in a dual role this month . . . he is not only the new Prexy of CSI/Phoenix group but also heads those happy hosts for the Joint Region 10/11 Conference being held in October a few palm trees away from Phoenix at the fabulous Wigwam Resort. His right hand men in the year ahead will be Maynard Blumer as First V.P. and Buck Homes in the second slot. Dave Hunt is the new Secretary, Bob Kuchem the new Treasurer and on the Board: Bill Farrell and Joe Diemer are Professional Directors, Dick Homes is the Industry Director and Bill Myers is the immediate Past President.

Born in Nova Scotia, Canada, Scott was a three year old immigrant who grew up in Rocky River, Ohio; received his Architectural degree from Miami U. in Oxford, Ohio, and served a "hitch" in Europe for Uncle Sam before coming West in 1959. During the past 12 years in the "valley of the sun" he has worked for prominent architectural firms—currently, he is associated with R. A. McIntire and Associates/Architects. Since 1964, when Scott joined the CSI Phoenix Chapter, he has been very active—for a brief period, 1967-'69—he was a member of the Honolulu Group) serving as Professional Director, Program Chairman and First Vice President.

Scott Campbell married his college sweetheart—a sweetheart named Evie—about ten years ago and they have two moppets—Brian and Beth. He's one of those "sports-ers" with an avid interest in golf, tennis and sailboating . . . in Arizona, yet! Welcome to the ranks of the leaders, Scott—you are bound to "break par" with the help of a great CSI Chapter!



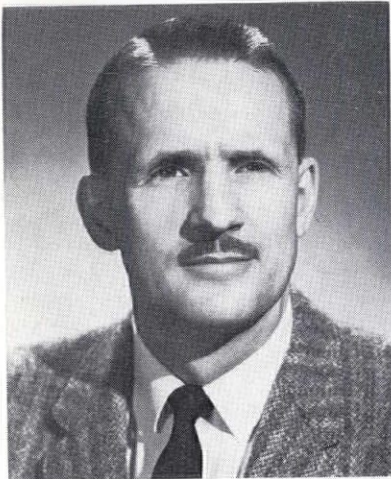
Jerry F. Bandura, President
Arizona Chapter
Producers' Council

It is with great pleasure that we welcome Jerry into our "winner's circle"—he is a really active and enthusiastic member of the Construction Industry. A native of Southern California, he has been in Arizona for only six years, but has been so busy in PC affairs that he takes over the gavel this year—with the greatest of ease. He has been recently elected Vice President of Papago Kiwanis, and is also involved in CSI.

For some years, Jerry has been in architectural selling in the Los Angeles area—he is now President of Stanley Building Products, Inc., representing several lines in Arizona, New Mexico and Nevada. He's a married fella—some twenty-two years of wedded bliss to his credit—with a married daughter in California, a son who is a sophomore at Northern Arizona University and two daughters—14 and 12—still on deck in Scottsdale. "We all," writes Jerry, "truly love Arizona and what it has to offer in business and as a way of life."

The "home team" for the Arizona PC Chapter in 1971-'72 includes Dick Baltimore of Formica Corporation as First Vice President, Jim Lyons of Asbestos Engineering and Supply as Second Vice President, with Ron Weller of Inland-Ryerson Construction Products Company serving as Secretary and Bill Daly of Moen Faucet as Treasurer. Jerry tells us he hopes to be on hand at the WMR in Wyoming this month—so look him up and get acquainted. He is a most enthusiastic "fearless leader"!

UTAH



Willard Nelson, Chairman
Western Council Architects' Registration Board

We have been looking forward to featuring the "Wizzard" for some time now—since this is the second time around for this personable gentleman in this position of leadership. He is definitely to the Utah-manner born . . . a native of Provo and also spent two years at BYU before heading for the University of Michigan and his architectural degree. He has been licensed in Utah since 1953 and has been Owner, Principal and Partner in various firms since then. He is presently a partner in Central Utah Architects of Provo.

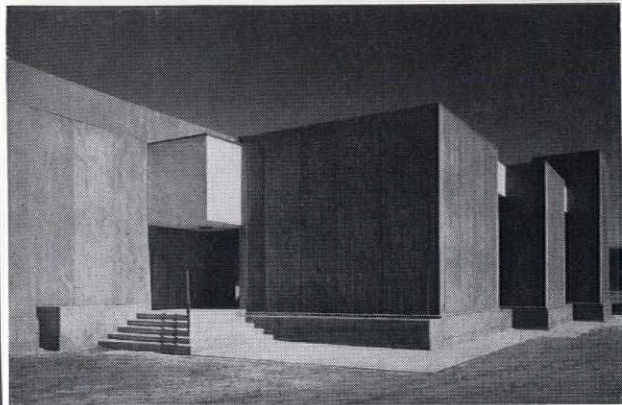
A member of the Utah Chapter/AIA since 1964, he was President in 1958, and President of the Central Utah Section in 1965. He has served as the Architects' Representative on the Utah Urban Renewal Board, the Utah State Building Construction Seminar and was State Representative on the AIA's National Hospital Committee. He became a member of the Utah Architect's Examining Board in 1961 acting as Chairman in 1963, '66, and '69, and he was Vice Chairman of the Western Conference in 1968.

Mr. N. is equally active in civic and religious affairs, a Vice President of Kiwanis, PTA President and has held many executive offices in recreation and youth programs and the L.D.S. Church organization. Inducted as private in the U. S. Army in 1941, he served at home and abroad (CBI) being discharged in 1946 as a Major in Military Intelligence. He and his wife, Edna, are the parents of four sons and one daughter.

Commenting on the picture, Editorial Board member Nancy Carpenter wrote . . . "If you see a twinkle in "Wizzard's" eyes, don't be surprised! He's a very funny man, loves life and is just one great guy!"

Nuf sed. And welcome to the "fearless leaders," Mr. N., you really belong!

NEW HOME of Pella Products of Colorado, Inc.



architect: Hornbein and White contractor: Harold Bergkamp

Established to service School, Institutional and Commercial Markets, Product Fabrication Facilities, Offices, Warehouse and Display

For Air Conditioning . . .

Now available—an important factor in total air conditioning . . . Prefinished Metal Clad Wood Window with optional dual glazing and sun controls to provide low heat loss and heat gain. Reduces Solar Heat up to 82% . . . Heat Loss to 62%.

For Sound Control . . .

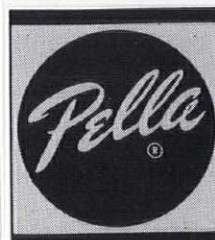
With the use of carpeting in schools and the resultant reduced need for high and costly sound reduction coefficients in folding partitions, PELLA offers folding partitions with adequate sound retardants.

NEW PELLA PRODUCTS OFFERED FOR COMMERCIAL USE

PELLA CLAD WINDOWS

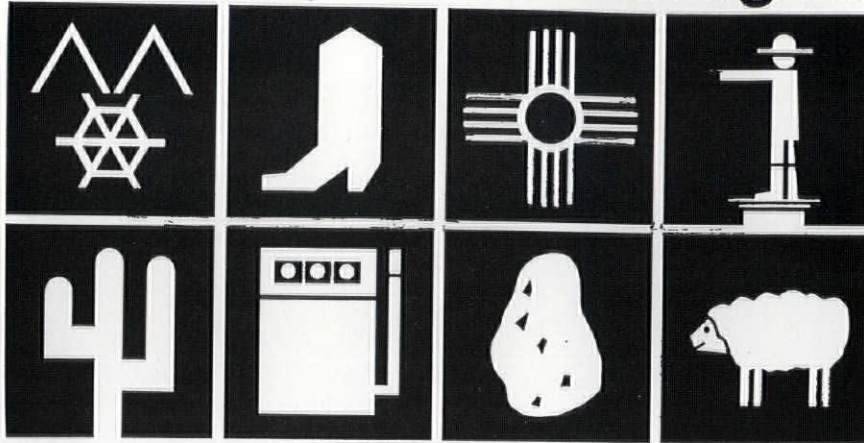
PELLA VINYL WOOD FOLDING PARTITIONS

PELLA DESIGNER DOORS



PELLA PRODUCTS OF COLORADO, INC.
4500 Grape Street 398-0888

symposia/around the region



arizona

Change Orders

The Central Arizona Chapter/AIA has issued some important change orders with their last newsletter . . . to wit: The Chapter and Society office has moved — as of August 27 they will be located at 3124 North Third Avenue, Phoenix, 85013. No change of telephone number however.

Because of the conflict with the Western Mountain Regional Conference (September 8-11) the Executive Committee meeting will be held on September 13, and the Steak Fry is now scheduled for Friday, September 17. Chairman Jim Jasper reports that Pinnacle Peak has been tentatively reserved as the site for this annual AIA feast.

Central Phoenix Plan

On September 13 at 7:30, a meeting on the adoption of the Central Phoenix plan will be held in the City Council Chambers. Architects note that City Fathers seem to have their hearing aids turned up — instead of off — when they attend these meetings and have something to say. There are a great many ideas for Phoenix redevelopment — especially in the area of the new Civic Plaza presently under construction. In mid-July, Albert Sanders, Vice President of the Phoenix Civic Plaza Business Association, told fellow members that the area immediately south of the Plaza is "skid row at its worst." Some of the suggestions he made include a nine-hole municipal golf course to wipe out this blight, plus he recommended erection of a 100-foot tall Phoenix bird to be placed on a square block adjacent to the Plaza, and a new multistory downtown merchandise mart along with a Mexican village, Chinatown, and good theatres and restaurants.

It would seem the Civic Plaza is doing just what was hoped when it was conceived . . . waking up the downtown business community to the

very real need to "do something about" the downtown area.

colorado

Certification for CE's

A voluntary accreditation program providing certification for qualified consulting engineers has been developed in Colorado, and is being administered by a seven-man commission headed by Chairman James H. Konkel of Denver. Vice Chairman is John E. Bunts of Colorado Springs, Secretary-Treasurer is Robert V. Behrent, Denver. Commissioners include William A. Clevenger, Denver; James H. Stewart, Fort Collins; Robert F. Harrison, Salida, and Simon F. Elliott, Pueblo. This Colorado program, with the ultimate aim of having similar certification commissions in all other states, is the result of four years of study and planning by the Consulting Engineers Council/Colorado who were assigned the task by CEC/US.

Chairman Konkel said first applications for Certification were considered in August and predicted that nearly 100 engineers would be entitled to use the Certification seal by year's end.

No Vacation!

The Construction Advancement Program, the Associated Building Contractors of Colorado . . . et al have been as busy as always during the summer months. C.A.P. has sponsored three conferences to discuss and bring out the salient points of the Federal safety and health laws now in effect for the Construction Industry. Two-hour afternoon sessions were held on Friday, July 23 and Thursday, August 26 at the Engineers Club, and Southern Colorado members met August 13 at the Dublin House in Colorado Springs.

Speakers included James A. Underwood, Supervisor of Safety Inspection, Colorado Department of Labor

and Employment, and R. L. (Les) Currens, Manager of Loss Prevention for Employers Commercial Union Insurance Companies. Mr. Currens explained to Contractors how to cope successfully with these added responsibilities.

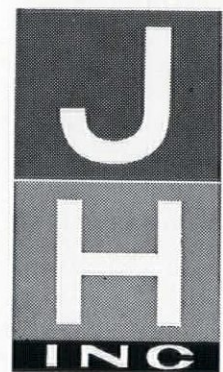
On August 5, 6 and 7, General Contractor members of ABC held their midyear meeting at Vail. Featured speaker at the meeting was Richard E. Thornburg, P.E., Rocky Mountain Prestress, who gave an illustrated presentation of the most recent developments in this field of modern building techniques.

nevada

Minorities at Work

Disadvantaged minorities are assisting in the moving and restoration of the historic Lake Mansion which is being relocated in northern Nevada. These workmen are employed by the Construction Opportunity Trust administered jointly by AGC and the Building Trades Unions and is designed to create construction jobs for Northern Nevada minorities.

Employees of the Construction Opportunity Trust have completed several projects in the Reno area, principally for the Reno Air Races last year and the rebuilding of Manzanita



Specializing in Service to
Architect & Contractor

Schlage Amweld
In Denver Stock

Phone 623-6272

**JOHNSON
HARDWARE, INC.**

WEST 7TH & ALCOTT STREET
DENVER, COLO. 80204

Lake at the University of Nevada. Ernest Mullins, program director for the Trust stated that, "The program's goal is to increase employment of minorities in Northern Nevada's construction industry as rapidly as possible." In a joint statement, Carlo Panicari, President of Nevada/AGC and Harold Knudson, President of the Building Trades Council of Northern Nevada, pointed out that the largest project undertaken by the minority employment group is the construction of a residential training facility for retarded children north of Sparks. This facility is being contributed to the Washoe Association Retarded Children by the minority training group. Mullins said the estimate for the total cost for the retarded children's project is about \$100,000. "This facility will be built by the trust with the support of the contractors and the labor unions." The Washoe Association for Retarded Children is seeking supplemental funds from the Fleischmann Foundation.

new mexico

Bigger and Better!

John W. McHugh, AIA, and Bradley P. Kidder, FAIA (those delightful gentlemen from Santa Fe), announce their association with James A. Burran, Jr., AIA, of Clovis, New Mexico,

and with George Wright Associates, AIA, of Albuquerque, New Mexico, in a new firm to be known as . . . McHugh, Kidder, Burran and Wright — Architects/Engineers/Planners with offices in Clovis, Albuquerque, Santa Fe and Dallas.

Writes Principal Kidder. . . "This is a new Joint Venture firm, replacing the old Western Architects Collaborative with the same principals and should put us in a position to offer the best of Architectural Services to our Clients in this four State Region."

None of the "bubbly" on hand to christen this new ship, but a hearty bon voyage to one and all!

Code Committee at Work

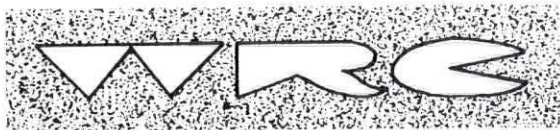
The Code Committee appointed by New Mexico Society/AIA Prexy, "Pat" Wood, is holding regular monthly meetings. Prime purpose of the Committee is to resolve the conflicts between the Life Safety Code and the Uniform Building Code, both of which are law in New Mexico. Joe Boehning, Symposia Editorial Board fella, writes — "The Committee met on July 27 and set its course of action on specific conflicts between the two codes. We are asking all architects in New Mexico to inform us of conflicts they have encountered, and

we, on the committee, will add these to our own experiences. Our hope is to get these conflicts resolved through legal means." It is interesting to note a widespread interest in the Code question . . . at the last meeting of Albuquerque's CSI Chapter, Superintendent Robert C. Biddle, Building and Inspection Division, discussed revisions to the Electrical and Plumbing Codes for the city of Albuquerque.

Joe also writes that the date for the Annual Convention of the New Mexico Society of Architects has been set for October 30 at the Hilton Inn in Albuquerque. The Hilton is still under construction, will be complete by September and the NMS will be one of the first groups to test the facilities.

Wright Elected

Haskel Wright, coordinator for the Carpenters' Joint Training Program, New Mexico Building Branch/AGC, Albuquerque was elected president of the Western States' Coordinators Association at the Annual meeting in Vancouver, B. C. Wright, the second New Mexican to hold this office, took over as coordinator of the Carpenters' Joint Training Program in November, 1968 . . . at which time there were 75 carpenter apprentices in New Mexico. Today there are 135 . . . of which 95 per cent are working.



W. RAY CRABB, INC.
471 KALAMATH ST.
DENVER, COLORADO
(303) 534-5101

THE PROFESSIONAL HOLLOW METAL PEOPLE

**CUSTOM
MANUFACTURERS**

**WAREHOUSE
STOCK**

**CALL FOR DESIGN ASSISTANCE, ESTIMATES
AND QUOTATIONS**

KOOLSHADE®
SOLAR HEAT and GLARE CONTROL





The Hammerabi Award for "excellence in design and use of masonry products has been presented the Portland/Eugene firm of Wilmsen, Endicott, Greene and Bernhard by the Oregon Masonry Guild. The project was the remodeling of the Gresham Branch of the First National Bank of Oregon. Also honored were F. E. Honey and Associates, Consulting Engineers; Carl Schiewe, General Contractor and Joe Schouten, Masonry Contractor.

The Western States' Coordinators Association is composed of apprentice coordinators from New Mexico, Washington, Oregon, Montana, Idaho, California, Nevada, Utah, Arizona, Colorado, Wyoming, and the Province of British Columbia. This group holds one meeting each year to discuss programs in the building trades. Next year, the annual will be held in Albuquerque.

oregon

Oregon Council/AIA Meets

Jody Proppe reports in "Architects and Architecture," the Portland Chapter newsletter, that the Oregon Council of Architects held their fourth meeting of the year at Jacksonville, Oregon. Much of the business part of the session was devoted to a review of the 1971 legislative bills affecting the practice of Architecture. There

were certainly added incentives to attend this gathering on August 27-28, however. A walking tour of Jacksonville was conducted by Marion Ross, and, of course, the Shakespearean Festival and the Britt Festival were also of interest to Oregon's architects. These events have almost become an annual tradition with many AIA-ers participating in this "summer safari" to southern Oregon.

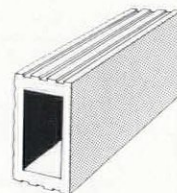
utah

Great Show!

The Utah Chapter/AIA certainly deserves commendation for their excellent Public Relations effort this summer. Chairman Bill Browning and Crew set up more than 90 photo boards, renderings and models of architectural work in the Valley Fair Mall in Salt Lake City. The wide scope of the projects, the overall excellence and evidence of the work represented made a strong case for the ability of Utah architects with their fellow citizens. Browning, Crew and Chapter merit a bunch of laurels for bringing together such an impressive show. And . . . Weldon Larson, Promotion Manager for the Mall, did his share with a number of newspapers ads on the business pages drawing attention to the architectural exhibition. Congrats to one and all!

SINCE 1880

ROBCO



What Building Material Is:

- FADE PROOF (EVEN DIRECT SUNLIGHT WILL NOT FADE IT)?
- LOAD BEARING?
- WILL NEVER NEED REFINISHING?
- HARDER THAN ORDINARY STEEL?
- IMPERVIOUS TO PEOPLE — ABUSE? (EVEN INK WON'T STAIN IT)
- EXTREMELY CHEMICAL RESISTANT?
- ABSOLUTELY FIRE RESISTANT?
 - NO FUEL CONTRIBUTION
 - NO FLAME SPREAD
 - NO SMOKE
 - NO TOXIC FUMES

ROBCO Structural Glazed Tile!

THE **ROBINSON** BRICK AND TILE COMPANY

P.O. Box 5243

Denver, Colorado, 80217

Phone 303 / 744-3371

New Sizes for Laminated Beams

by: O. James Barr, III

(Jim Barr is the man to ask if you need to know anything about wood. He is also no slouch in the publications field having edited Denver's Award Winning CSI Newsletter "Scope" for two years or more. He is presently serving on the national publications committee for the Construction Specifications Institute and has been a member of Symposia's Editorial Advisory Board for lo these many. This informative article on the smaller net sizes of laminated beams should be most helpful to the design professional.)

As a result of the slightly smaller net sizes now allowed for dry dimension lumber, the standard sizes for laminated beams have changed. Beams are usually laminated from nominal 2" dimension lumber which has previously been dried and surfaced 4 sides to the new ALSC sizes. Any number of pieces may be glued together, producing a variety of depths. There are no standard depths. For example, 10 pieces of 2x6 would produce a beam depth of 15". Eleven pieces would be 16½"; 12 pieces 18", 13 pieces 19½", etc. Depth varies in 1½" increments because nominal 2" lumber is actually a net 1½" thick after drying and surfacing.

There are, however, standard widths because the lumber available for laminating is generally limited to 2x3, 2x4, 2x6, 2x8, 2x10, or 2x12, producing nominal widths of 3", 4", 6", 8", 10" or 12". Two other widths are occasionally available as 14" and 16".

Here is a table showing the nominal widths, the new surfaced widths of the lumber before laminating, and the new AITC lam beam widths. The beams have to be planed after gluing to make them smooth, clean up any glue lines, etc. Hence, they are a little less in width than the lumber itself.

Nominal Width	Net Width of Lumber Before laminating	Net AITC Width of Surfaced Beams
3"	2½"	2-¼"
4"	3½"	3-⅛"
6"	5½"	5-⅛"
8"	7¼"	6-¾"
10"	9¼"	8-¾"
12"	11¼"	10-¾"
14"	13¼"	12-¼"
16"	15¼"	14-¼"

The more observant readers will notice that 14" and 16" wide beams are a full 1" less than the lumber from which they would apparently be laminated. The reason is that 2x14" and 2x16" dimension is scarce and a 14" wide beam would most likely be made by gluing a 2x6 and a 2x8 together side by side. The net width of a 2x14 made this way is only 12-¾" and a 2x16 made by edge gluing would be 14½". To allow the fabricator to use either solid or edge glued stock, the finished beam widths for nominal 14" and 16" are smaller than might be expected.

While on the subject of laminated beams, I might mention another recent change of extreme importance to engineers. For all practical purposes, ICBO has eliminated 2600f beams. Many engineers have obviously not received this news, since they are still indicating 2600 f on plans and in specifications.

Ratings of extreme fiber in bending as they were and are now are shown below:

old	new
2600f	2400f
2400f	2200f
2200f	2000f

These changes apply to all building under the jurisdiction of the 1970 Uniform Building Code. Denver and most of the mountain states use the UBC as a basis for their building regulations. While all of these areas may not have already adopted the 1970 edition of the code, most probably have done so, or will soon. In any event, design to a 2400f maximum appears to be the prudent course of action.



It's tough to quit smoking, but if determination and willingness means anything, our stacks will kick the habit for good.



Public Service Company
of Colorado
...an investor-owned utility

INSIST ON THE GENUINE . . .



**RESIDENTIAL AND COMMERCIAL
DOORS AND
ELECTRIC DOOR OPERATORS**

By one of the world's largest manufacturers of sectional upward-acting doors.

**Complete Service
& Repair Dept.**

- WOOD
- STEEL
- ALUMINUM
- FIBERGLASS
- ROLLING DOORS • GRILLES

HORTON AUTOMATICS

**HORTON AUTOMATIC ENTRANCES
LOADING DOCK EQUIPMENT**

*Installed and Serviced by
Professional Door Men of*

**OVERHEAD DOOR CO.
OF DENVER**

266-1901

1365 Rio Court

Denver, Colo.



Sonneborn
Building Products, Inc.
subsidiary of De Soto Chemical Coatings, Inc.

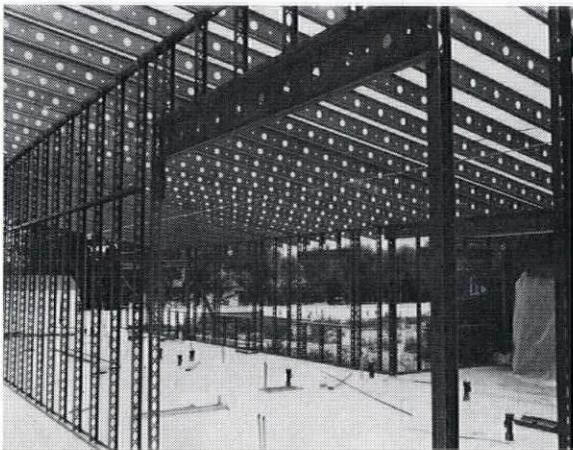
LAPIDOLITH

- Hardens floors
- Increases abrasion resistance
- Eliminates dusting
- Resists acid erosion
- "Insures" against high maintenance
- Easily applied



K. C. CONSTRUCTION SUPPLY CO.

19th & Bryant St. Denver, Colo. • (303) 477-1601



Columbine Nursing Home

Fort Collins, Colorado

architect: wallner & zermuehen

**STEEL FRAMING SYSTEM OF
KEENE PENN METAL**

STEEL STRUCTURES OF COLORADO, Inc.

Fabricators Erectors

4201 So. Navajo

303/761-3117

Englewood, Colorado 80110

the
last
word:

"Make that check out to the Five Hoods," architect John Ten Eyck was told as he was paying for his dinner at the Pikes Peak Chapter/CSI meeting. "Okay," agreed John, "But how do I explain that to my accountant?" (John: Attach this item to your cancelled check.)

The AGC National Midyear Board Meeting will be held September 17-21 in Atlanta, Georgia.

The Portland Chapter AIA/PC Annual Picnic was held August 13th at Eagle Fern Park—Clackamas County. The activities listed in the Portland Chapter/AIA Newsletter were: Baseball, Drinking, Volleyball, Drinking, Horseshoes, Drinking, Dice, Drinking, Gambling, Drinking and then a three-legged race!

Two Producers' Council Satellite Meetings have been scheduled for JPB Country . . . September 21 in Great Falls, September 23 in Billings. Denver Chapter's Jack Shepherd is in charge of the "Big Sky Outing."

Harold Ashton of Tucson has been given the award for distinguished service from the Arizona Chapter/A.G.C. Mr. A. was praised for his "tireless efforts to foster and promote the highest ideals and best interests of the Construction Industry."

First Class ALL THE WAY! The CEC/US Fall Board meeting will be held October 15-21 aboard the M/S Sagafjord—New York to Bermuda. Meetings will be held en route with two free days in port. The return cruise will feature more meetings and a Reception-Dinner-Dance. Good work if you can get it!

The always-busy Craig Walling has added a couple of hats to his extensive collection... he is now serving on the Board of Appeals for Signs, Phoenix, and the Building and Mechanical Code Advisory Committee for Tempe.

New Firm: Mickey and Fox, Inc., Consulting Engineers at 4765 Independence Street in Wheat Ridge, Colorado. Joining Mr. Fox (established since 1963) is Forrest Mickey with 12 years experience in designing buildings and bridges.

Our Man in Oregon is about to depart these shores for a six week sabbatical Abroad. Wilmsen and wife will fly out on September 3, and we'd drink a toast, ole buddy, but the grapes are SO sour!

An attractive "new look" for the Colorado Architectural Secretaries Newsletter this month which informs us their first business meeting of the Fall and Winter Season will be held September 15th in Greeley.

The "reeely big shoo" in Montana this year is the Golden Anniversary Celebration of the founding of the AIA Chapter in JPB Country... October is the month! Butte is the place!

About a thousand Women in Construction are expected in Atlanta, September 23-25 for the 16th Annual. AGC President John Healy, II, is the principal speaker and two new Regional Directors from Symposia territory will be installed... Bonnie Bradley of Albuquerque/Region 8 and Joan Moore, Seattle/Region 9.

THERMAL-SETTING INSULATION **REROOF** *with* **dri-pac**[®] **AGGREGATE**

With Dri-Pac, the whole job—insulating and roofing—can be done in one day. In any kind of weather.

We will furnish all labor, materials, and equipment, and supervision for Dri-Pac application in accordance with strict specifications. And we'll be happy to discuss this at your convenience.

**THE
UNITED
MATERIALS,
INC.**

ROOFING AND WATERPROOFING CONTRACTORS

814 W. 14TH AVENUE, DENVER, COLORADO 80204

(303) 623-4166

® a registered trademark of Construction Products Division, W. R. Grace & Co.



ROMANITE

OFFERS

Total Flexibility in Poured Concrete

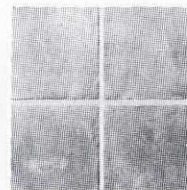
- COLOR
- TEXTURE
- PATTERN DESIGN
- POOL DECKS
- PATIOS
- WALKS
- BUILDING ENTRIES



Brick running bond ungrouted



Cobblestone grouted



Quarry tile 12" x 12" ungrouted

FOR MORE INFORMATION CALL

ROCKY MOUNTAIN

ROCKY MTN. ELASTIZELL

2133 S. WABASH ST. • DENVER, COLORADO 80231

(303) 755-9951

INC.

Temporary HQ for the Albuquerque Architectural firm of Lawrence Garcia . . . 148 Quincy, N.E. A new office complex is planned for Spring, 1972.

John McHugh, Worley Wong and Ralph Mapson combined their considerable talents to produce a most charming booklet . . . "instant san francisco" for the 50th Annual NCARB Convention in that fair city in July. A real treasure!

The Construction Industry Advancement Program will host the "goings on" at the September meeting of the New Mexico Building Branch/A.G.C.

The August General Meeting of the Consulting Engineers Council/Colorado was held on the 24th at the Antlers. A chartered bus provided transport for Denver and Northern Colorado members.

Charles E. Simon has joined the American Floor Company as District Manager of the Los Angeles, San Diego and Phoenix areas.

Seth Heywood, Community Relations Director, has resigned his position with the Denver Urban Renewal Authority. Our appreciation to Seth for his fine cooperation for lo, these many. And, of course, good luck in the future!

Exide Light Guard
Couch Telephone System
Apartment House Phone Systems
Fire Alarm Systems

Private Phone and Phone Page
Nurse Call

Guth Lighting
Since 1897

Manufacturers Representative
Assistance and Design Service

GREGG N. CLOOS CO.

1201 Madison Street
Denver, Colorado

Regional Director (10) Bob Schmidt/CSI was in Tucson on July 26th for an extra special meeting with the Tucson Chapter/CSI. This included a conference with Phoenix members on the upcoming Joint Region 10/11 Conference slated for October.

Kudos to Gene Brockmeyer, Jr., Editor of the Willamette Valley CSI Chapter Newsletter "Documentor." A slick new format has been initiated for this always newsy publication!

Ah so! Tokyo Conference on Urban Transportation is scheduled from 6 to 10 September—great meeting if time and money no object.

OLYMPIC
Pre-Stained Wood

Quality - Economy
Reduced Labor Cost
Lasting Results
IMMEDIATE DELIVERY

Alpine
LUMBER CO.

4100 So. Santa Fe Dr.
Englewood, Colo. 80110
Phone 789-2275

trus Joist
®

I Series

The new floor
and roof joist
that obsoletes
the 2 x 12

glos general building service and supply, inc.
1736 boulder street, denver, colo. 80211
phone (303) 433-8995

Where can you get the best power systems engineering, installation and service?

At McCoy, because we care!



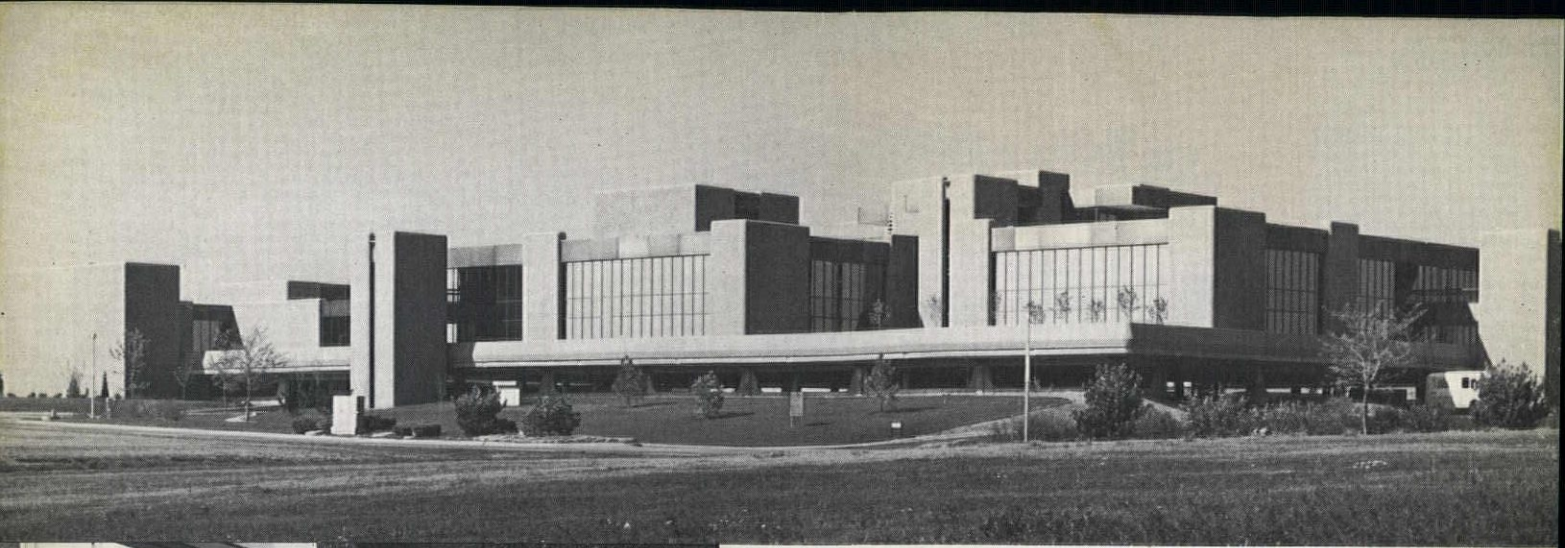
Next time you're confronted with a power systems problem, call on McCoy's Engine Center personnel. They're experienced specialists who understand power and its application. They are backed with the finest facilities, the tools and the Caterpillar technical data to assure you power systems correctly engineered to meet any requirement. It may involve a Total Energy System that supplies full time power needs on site. Or a Caterpillar Standby Power Unit that takes over when outside power fails. For help with either new power or repowering of existing systems, use McCoy's Total Service Engine Center. It's designed to meet your needs and those of your clients. Professionally. Capably.

... because at McCoy, we care!

McCOY CO.

*Caterpillar in Colorado | 6000 Dahlia | Commerce City, Colo. 288-2621
Durango | Grand Junction | Pueblo*

Caterpillar, Cat and Traxcavator are Registered Trademarks of Caterpillar Tractor Co.



DENVER TECHNOLOGICAL CENTER

Buildings 2, 3, 4, & 5

architect; Lusk and Wallace
Colorado Springs, Colorado

Architectural Metal
by



William G. Zimmerman
Architectural Metals, Inc.

Craftsmen for the Rocky Mountain Region Since 1932

PHONE 893-3123

201 EAST 58TH AVE

DENVER, COLORADO 80216